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ABSTRACT

Ciencias 1 is the first in a series of science books designed for elementary Portuguese-speaking students. The book contains five sections divided into 43 lessons. The five sections are (1) Matter, (2) The Human Body, (3) Weather, (4) Solids, Liquids, and Gases, and (5) Living Things. Pictorial presentations and picture exercises are included for each concept. Pages in the book (available from the publisher) are perforated so they can be easily removed. (RH)

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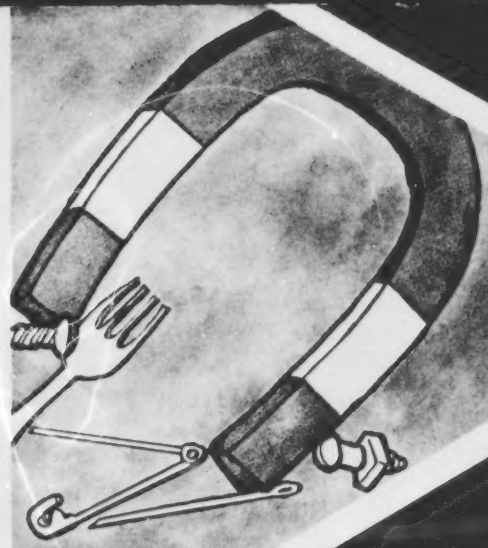

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Ciências 1

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Developed by:

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Center for Portuguese and Brazilian Studies
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Ciências 1

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Montagem gráfica: Nancy Beck

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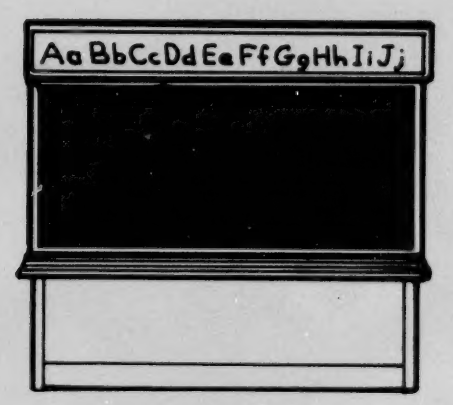
Cores

Os objectos têm cores diferentes.



NPMDC - Ciências I
Brown University - Providence, R.I.

Nome _____

Colorir: 1 - roxo, 2 - azul, 3 - verde, 4 - vermelho, 5 - amarelo, 6 - preto, 7 - castanho, 8 - laranja.

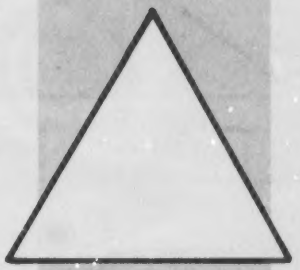
Formas

Os objectos têm formas diferentes.

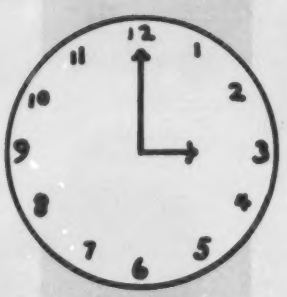
círculo

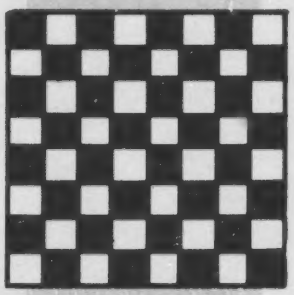
quadrado

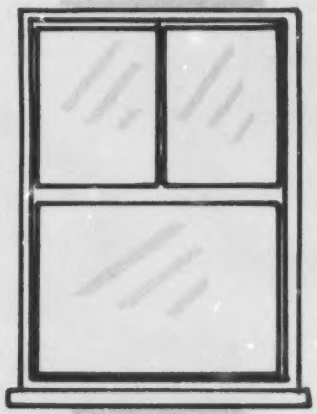
rectângulo

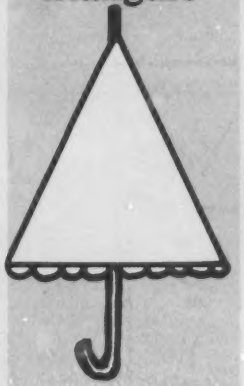


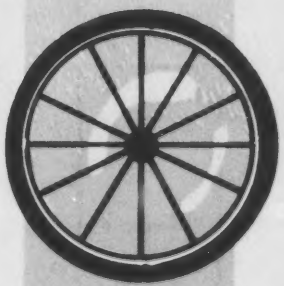
triângulo

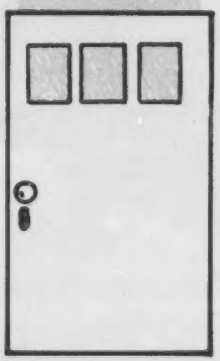




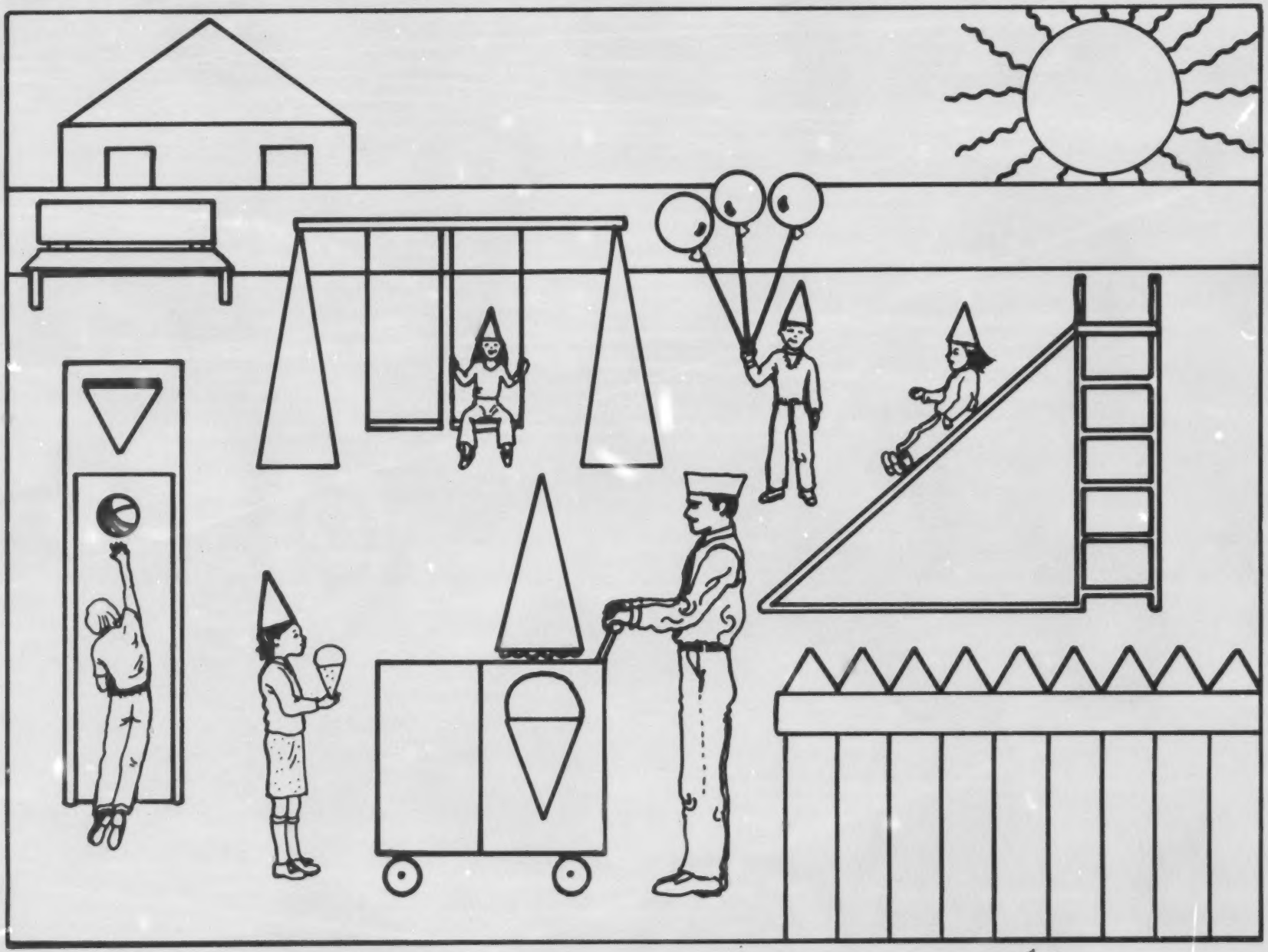








Nome _____

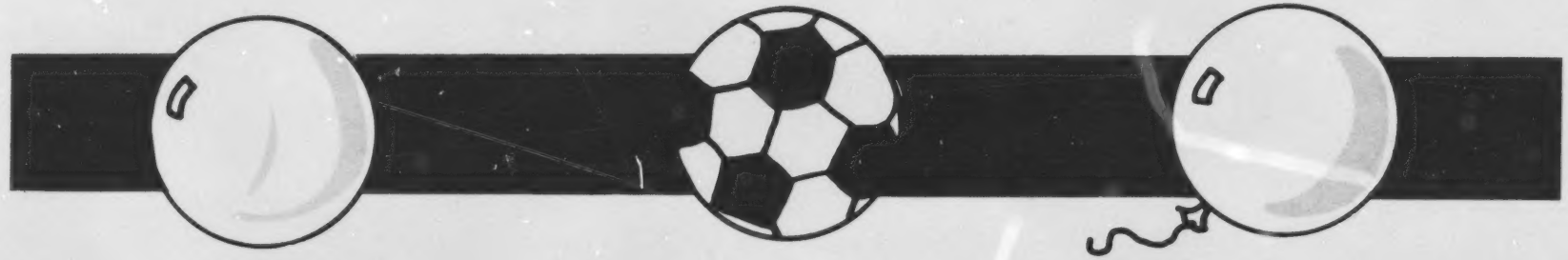


Colorir os círculos de azul, os quadrados de vermelho, os rectângulos de amarelo e os triângulos de verde.

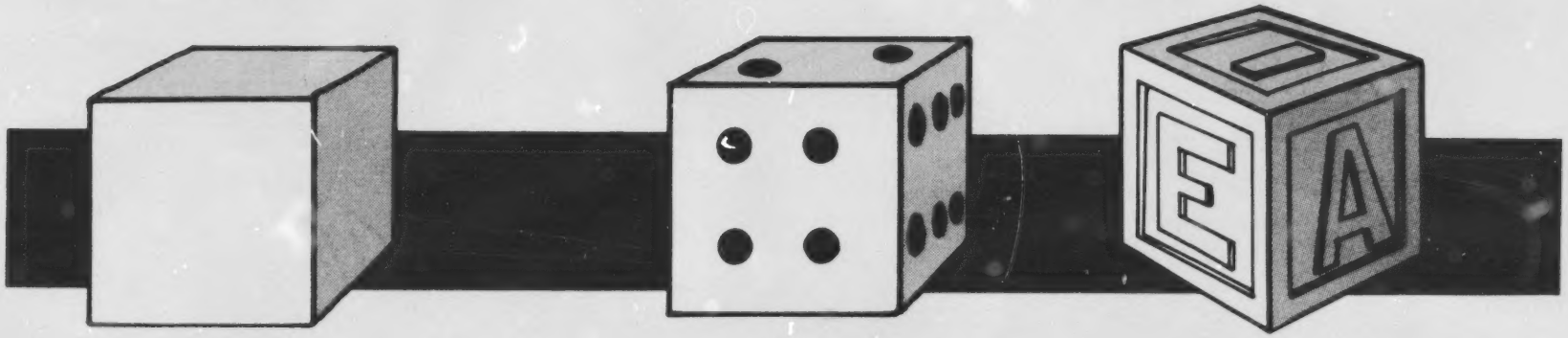
15

16

Sólidos Geométricos



esfera

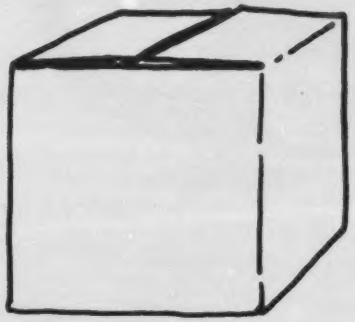


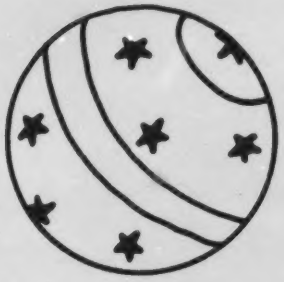
cubo

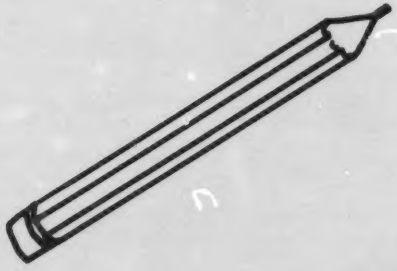
cilindro

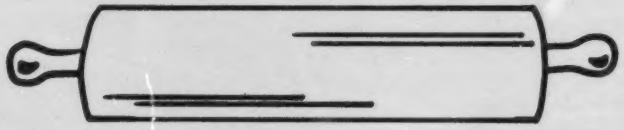
5

Nome _____



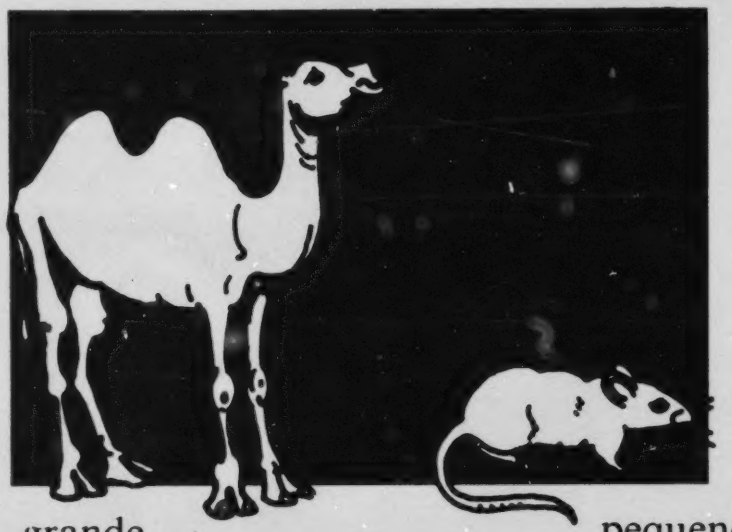




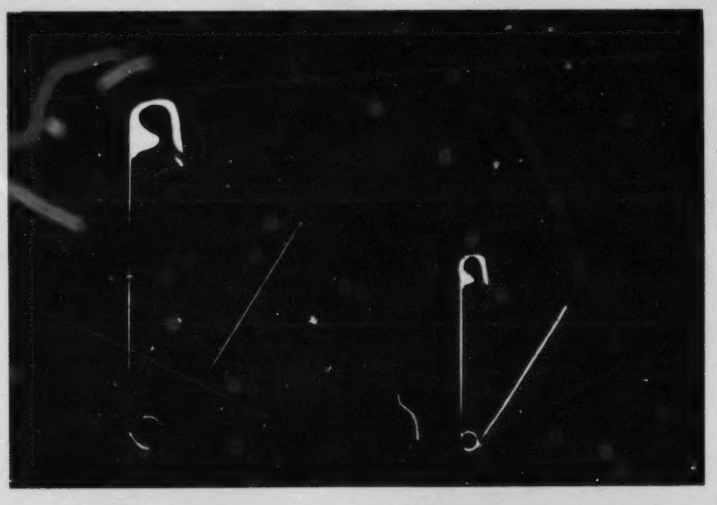


Colorir da mesma cor as figuras semelhantes.

Tamanho



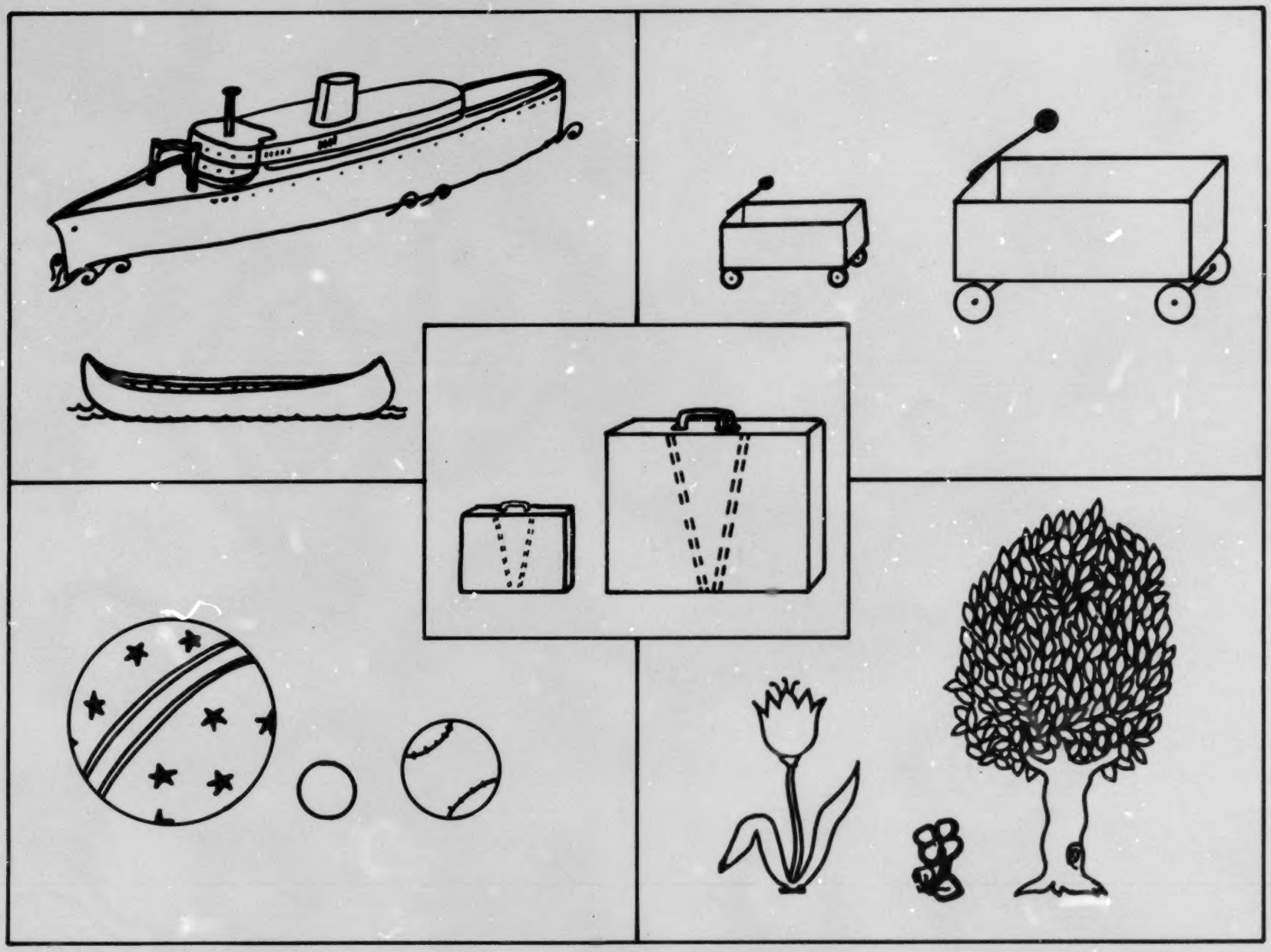
grande pequeno



21

22

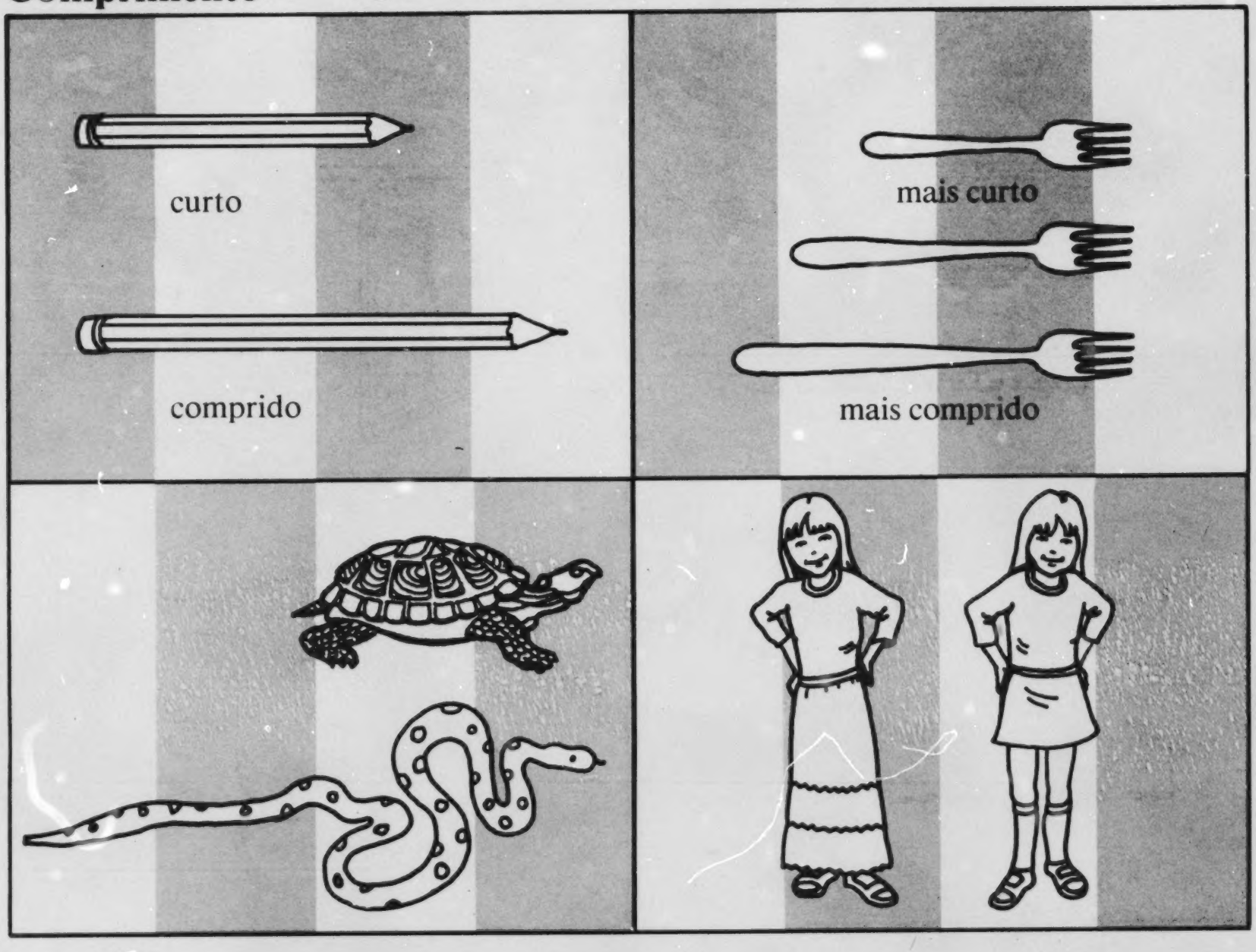
Nome _____



8

Assinalar com um X os objectos maiores e circundar os mais pequenos.

Comprimento



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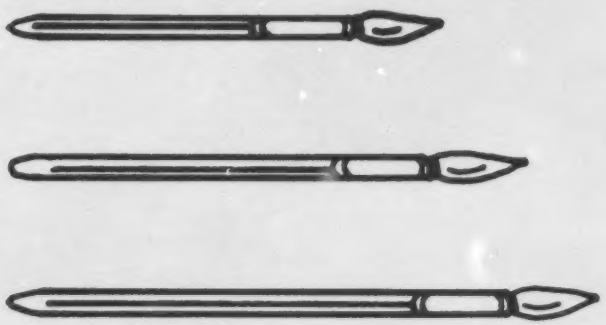
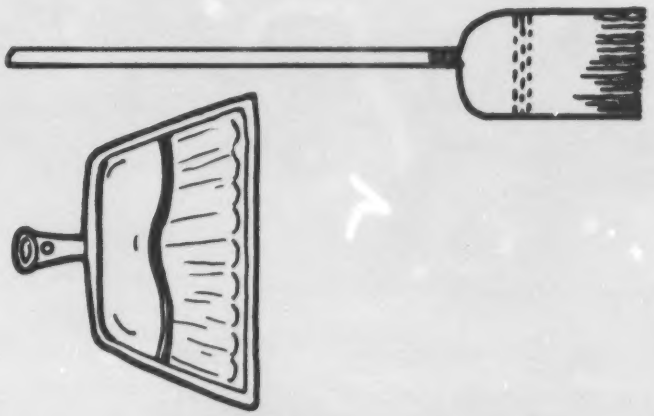
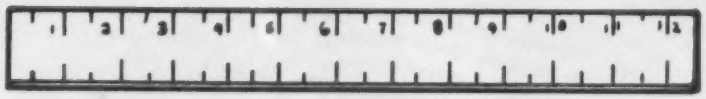
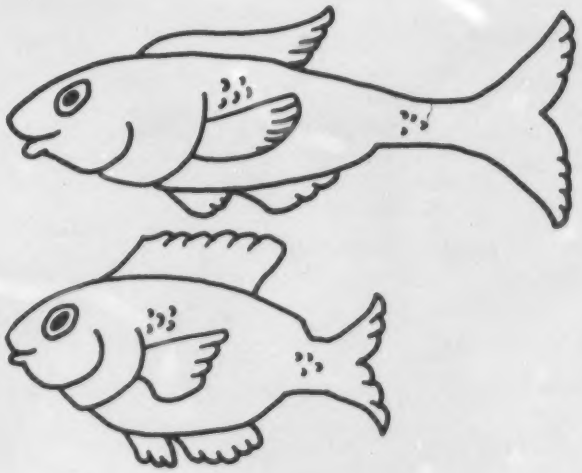








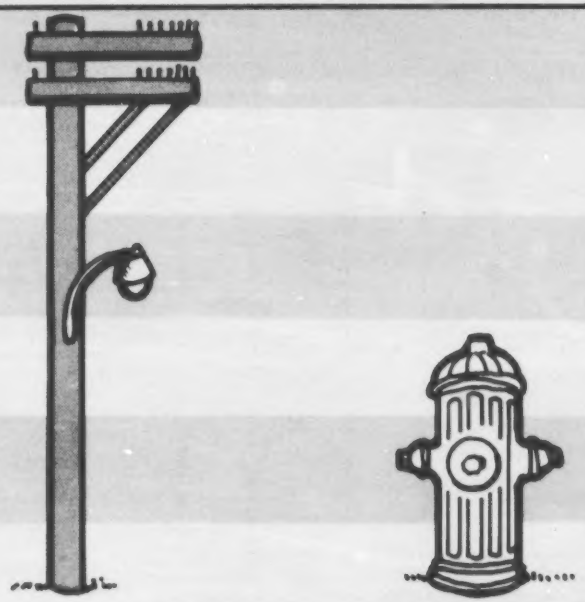
10

Assinalar com um X os objectos mais compridos e circundar os objectos mais curtos.

Altura

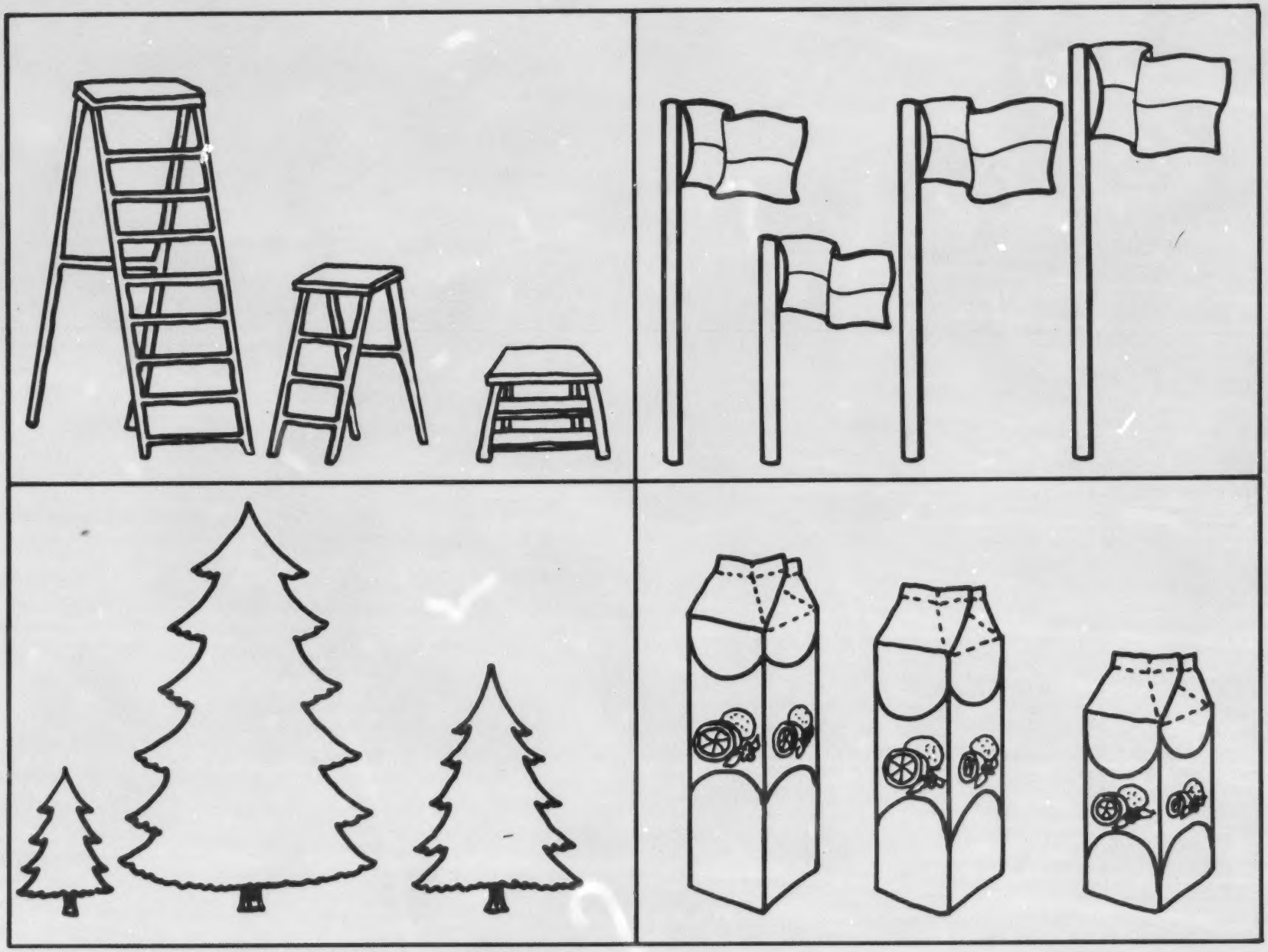
alto

baixo



da mesma altura

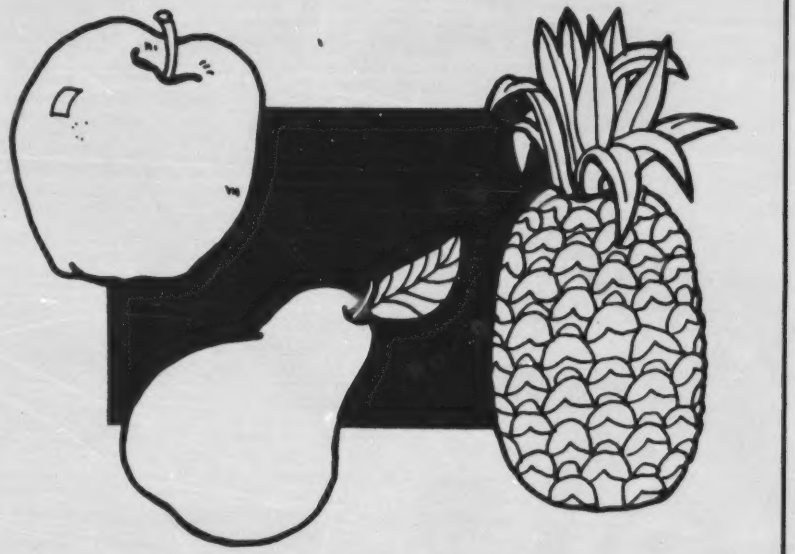
Nome _____

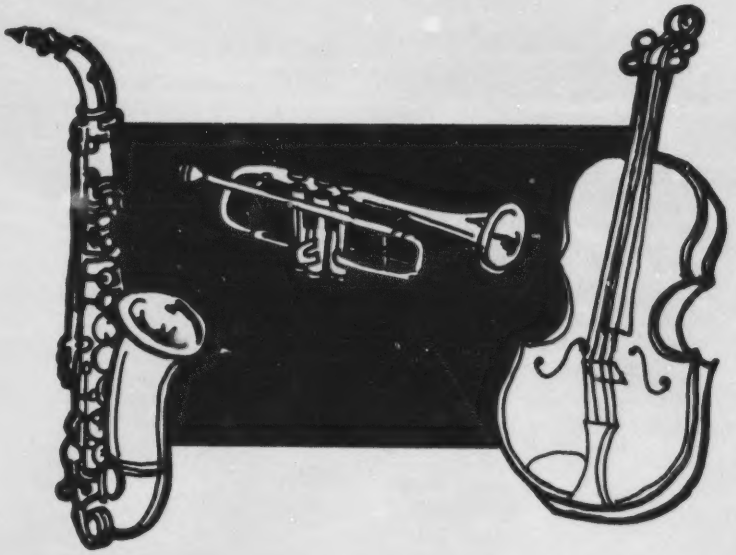


12

Em cada grupo assinalar com um 0 o objecto mais baixo, com um X o mais alto e com um V os da mesma altura.

Grupos

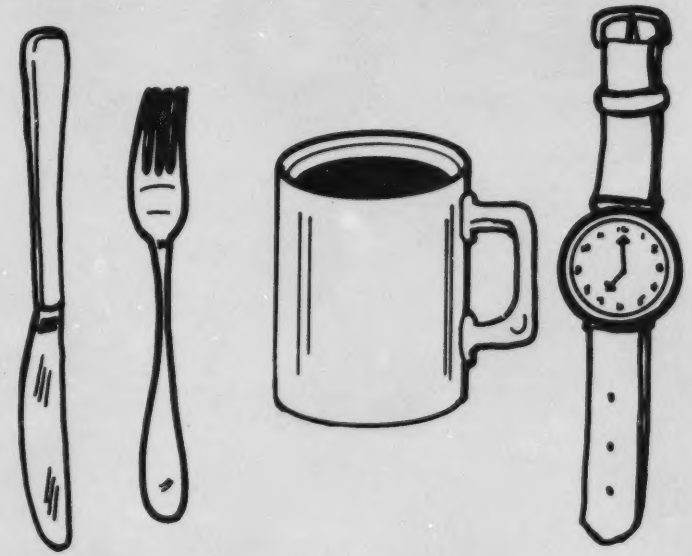




33

34

Nome _____



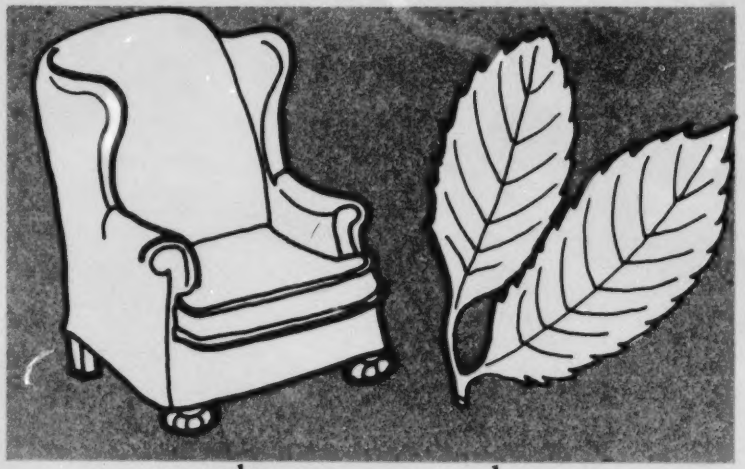
14

Circundar os objectos que pertencem ao mesmo grupo.

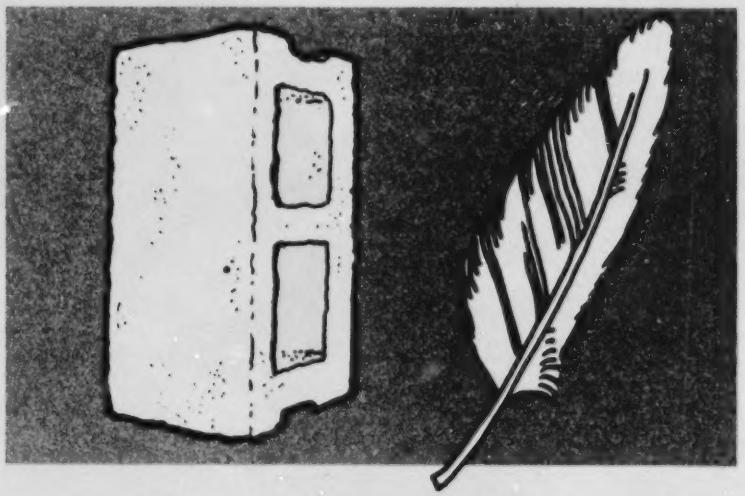
35

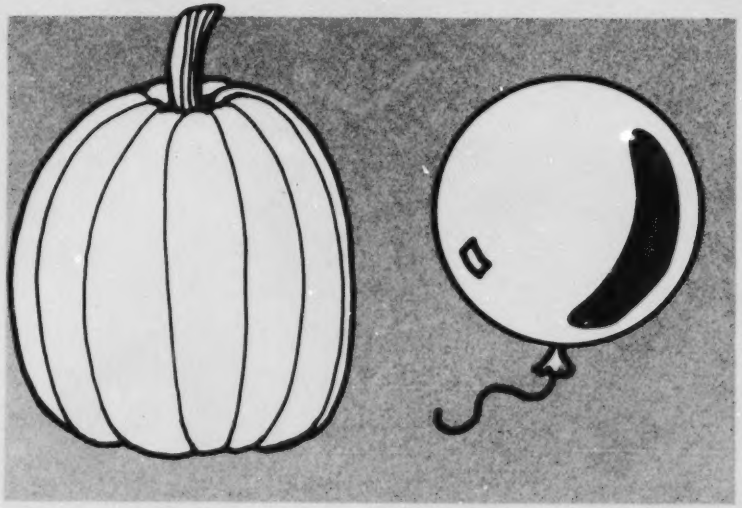
36

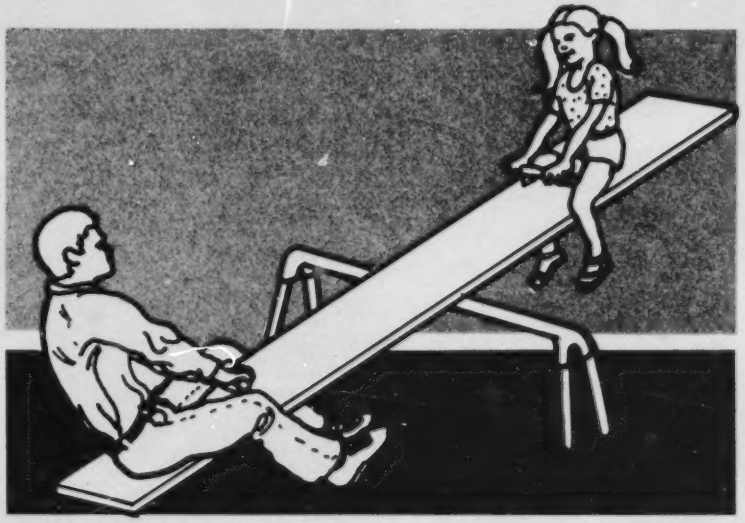
Pesado e Leve



pesado leve



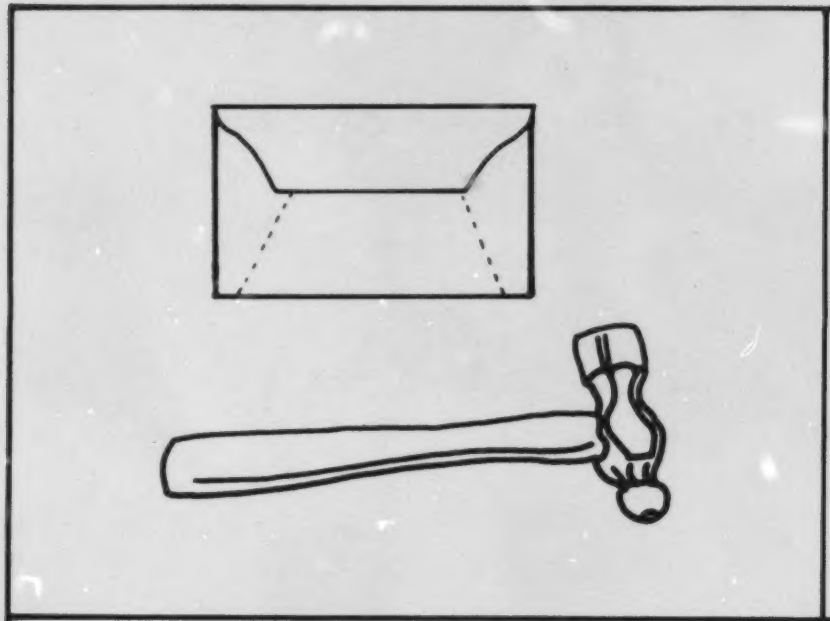


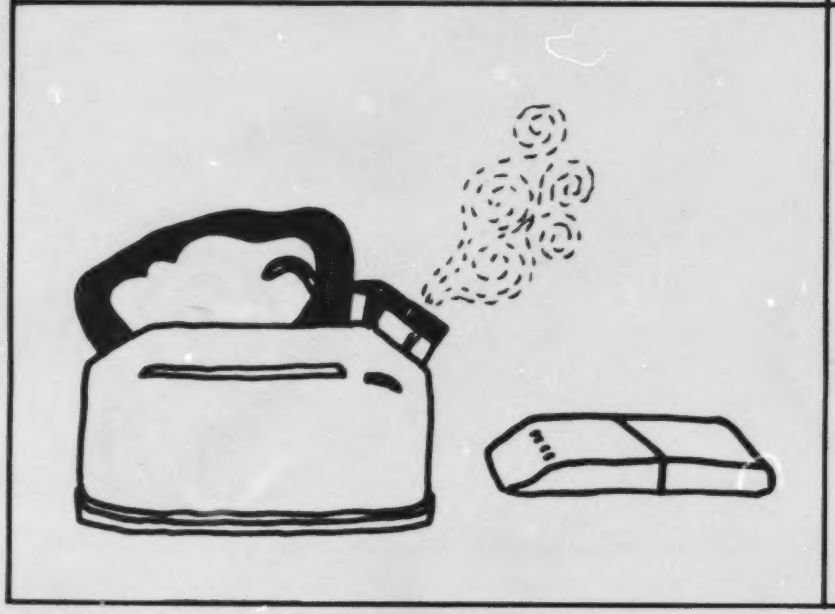


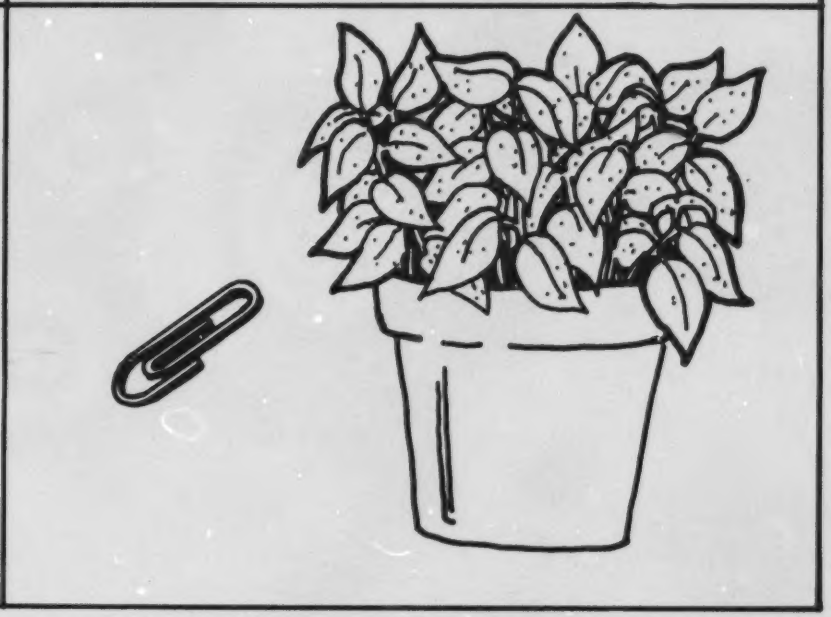
mais pesado mais leve

15

Nome _____



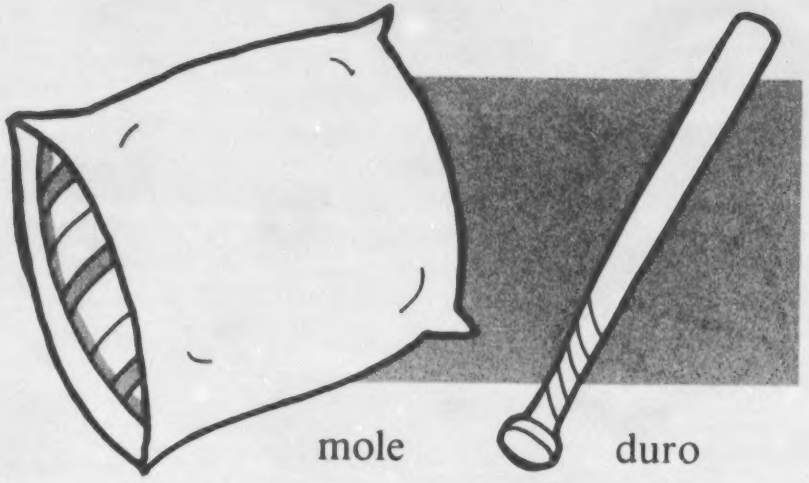




16

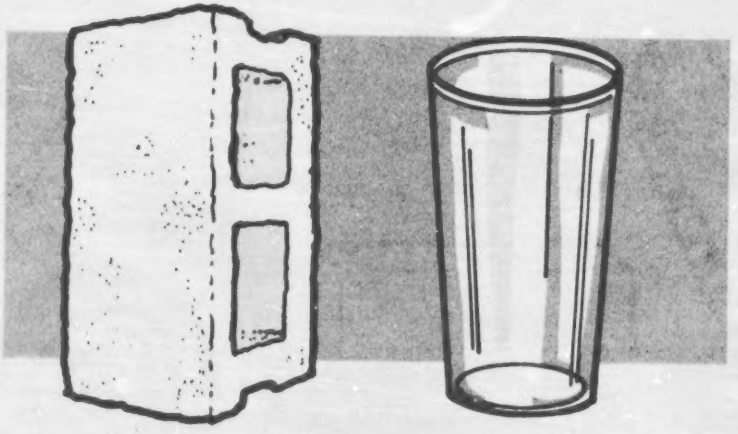
Assinalar com um X o objecto mais pesado de cada par.

Consistência



mole duro

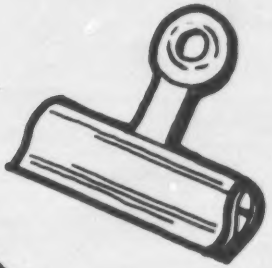
41



áspero macio

42

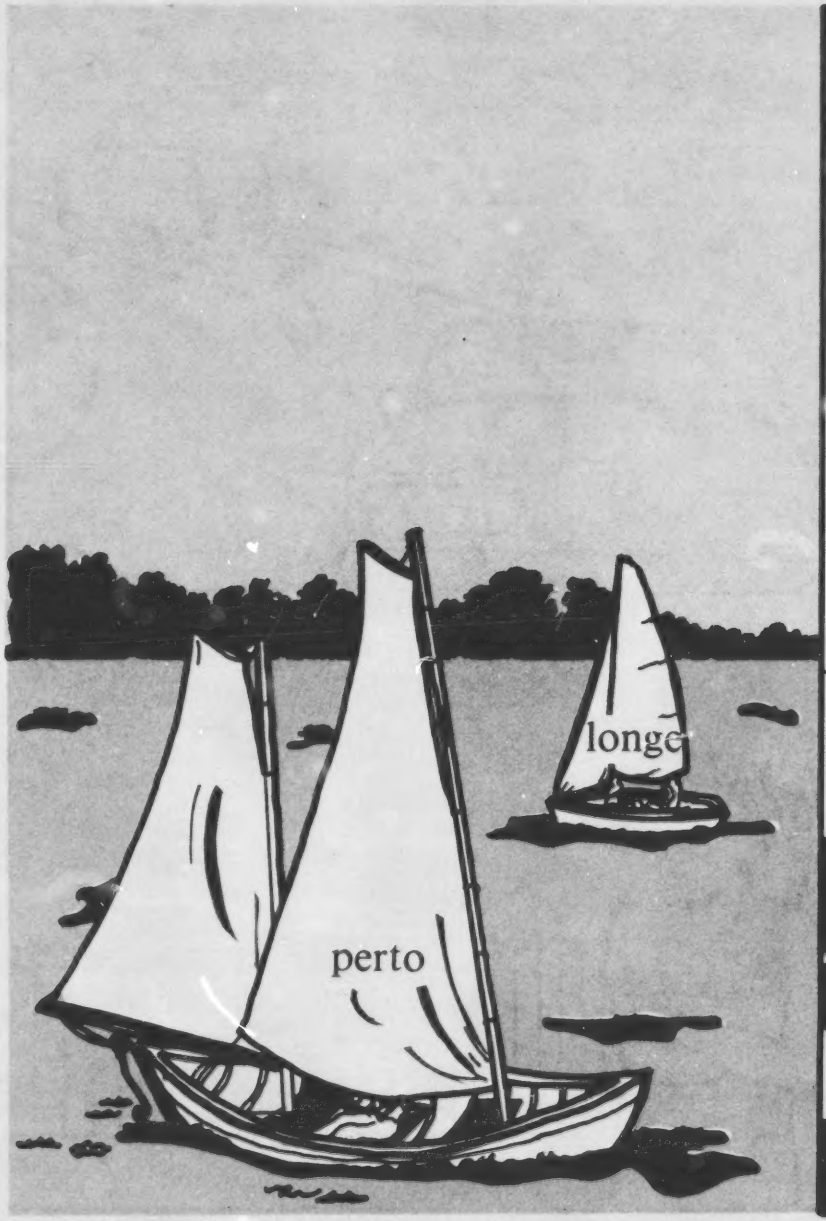
Nome _____



18

Em cima: Colorir os objectos duros de uma cor e os moles de outra.
Em baixo: Colorir só os objectos ásperos.

Distância



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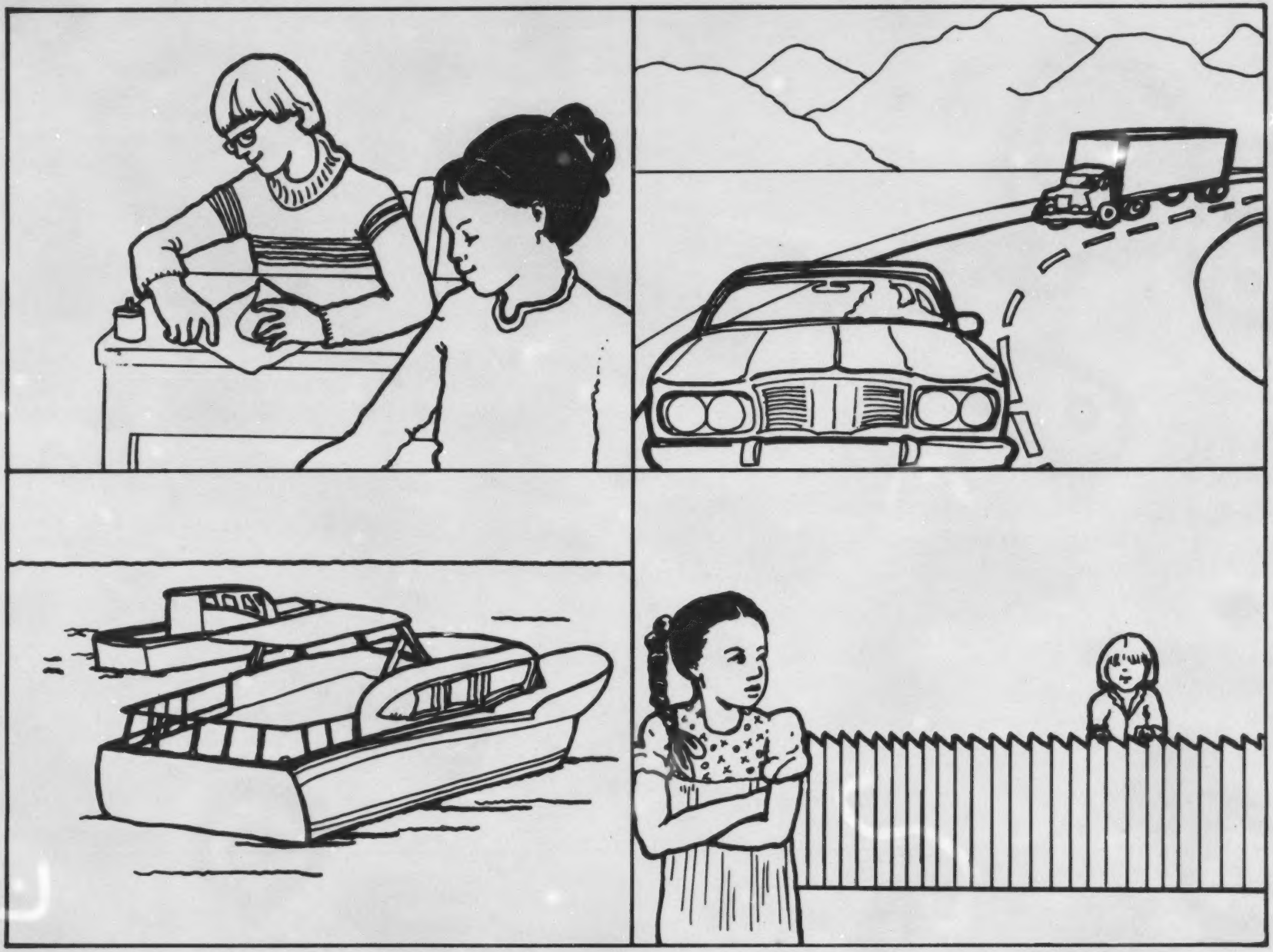
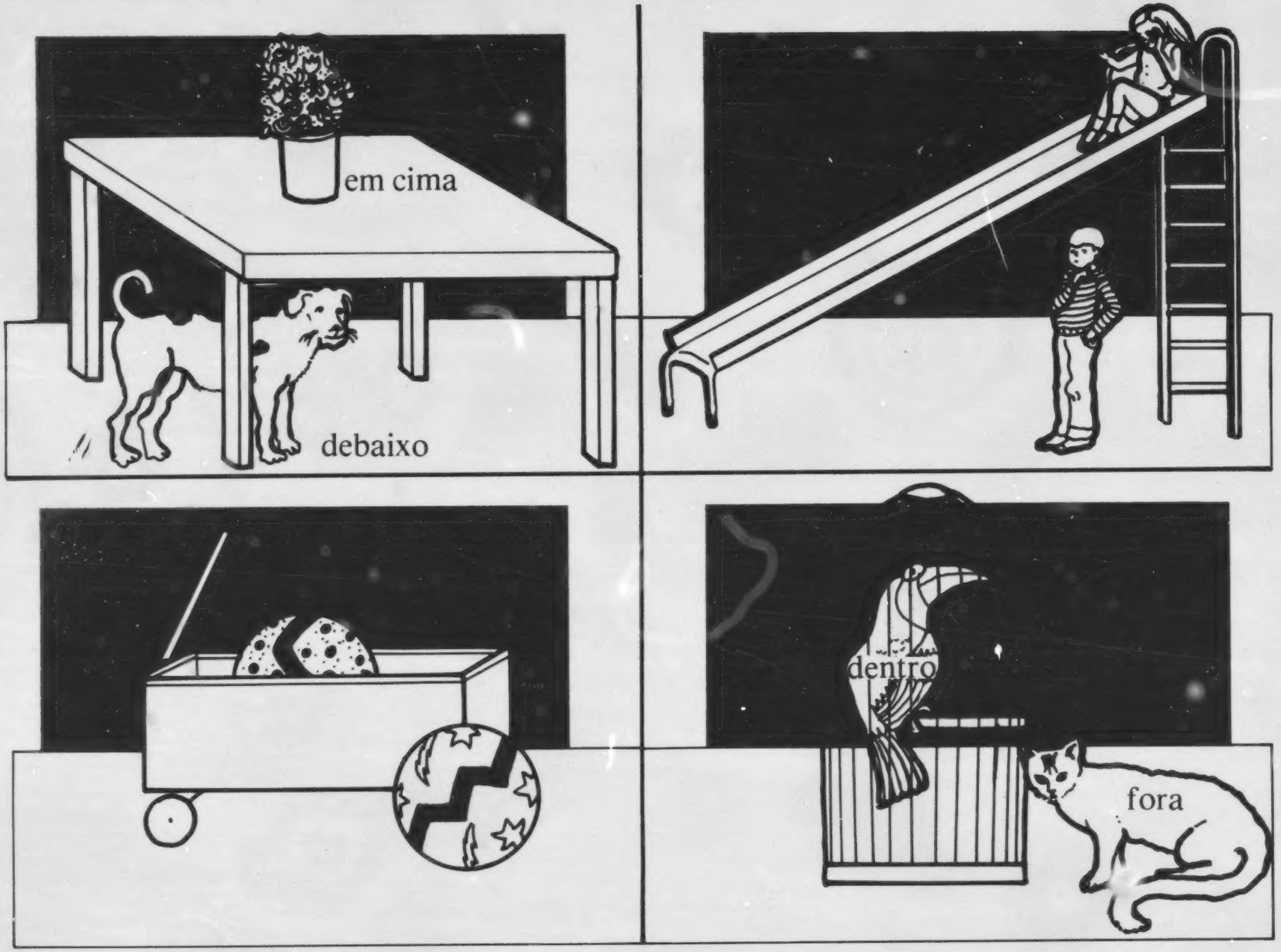


20

Assinalar com um P o que está perto e com um L o que está longe.

Localização



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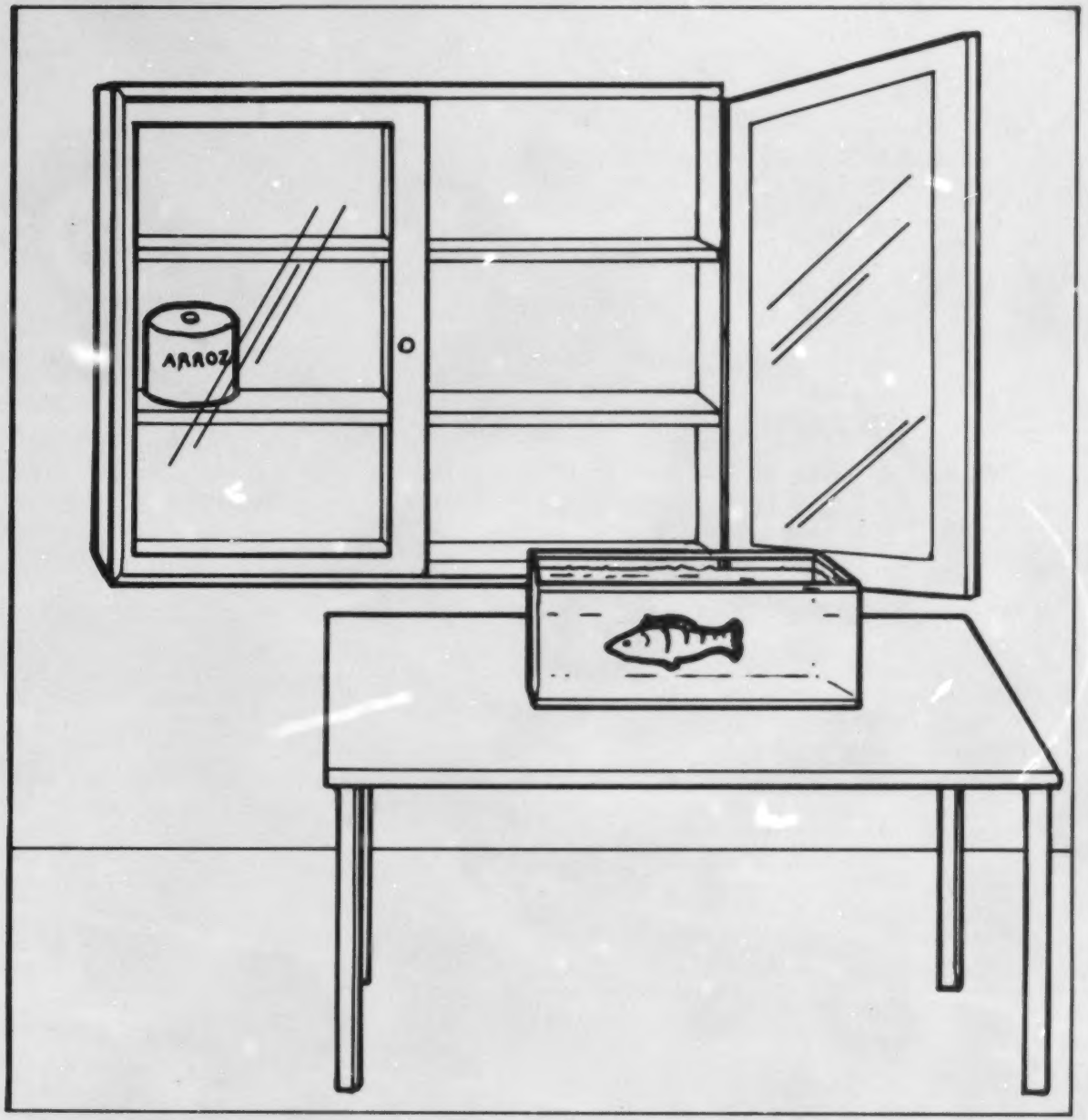
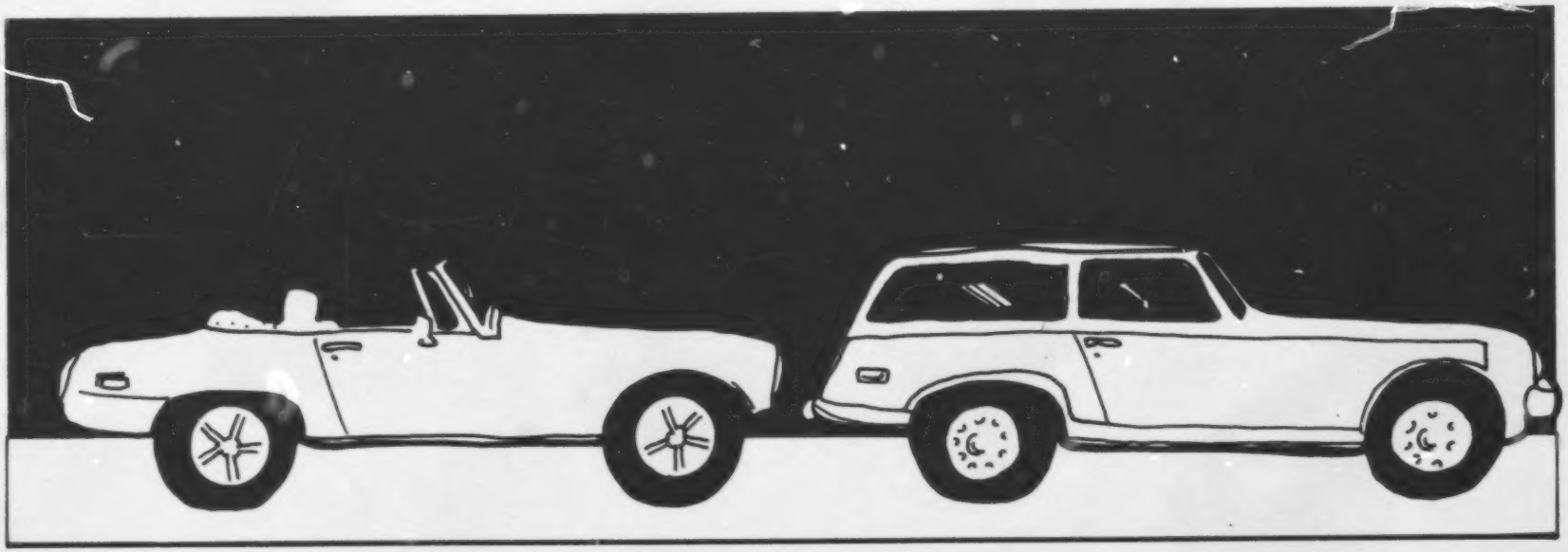
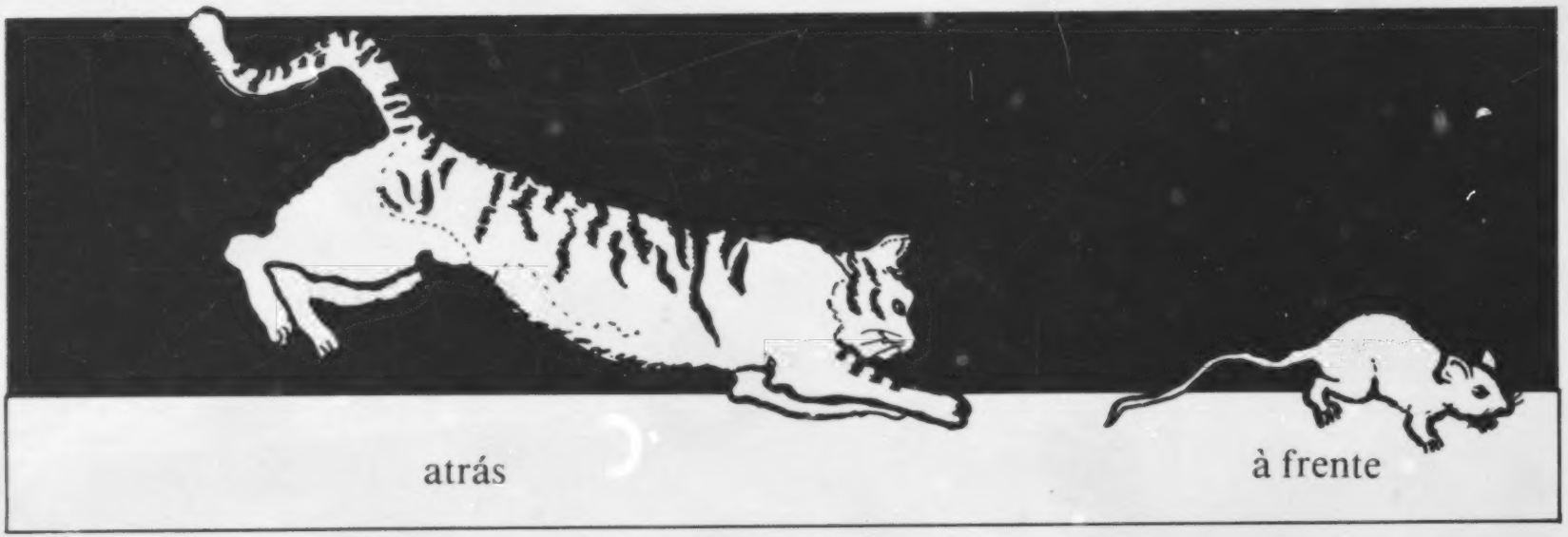


Recortar e colar: a lata do açúcar, a panela e os pratos dentro do armário; o livro, a chávena e a vela em cima da mesa; o gato, o cesto e os chinelos debaixo da mesa e a concha fora do aquário.

Localização

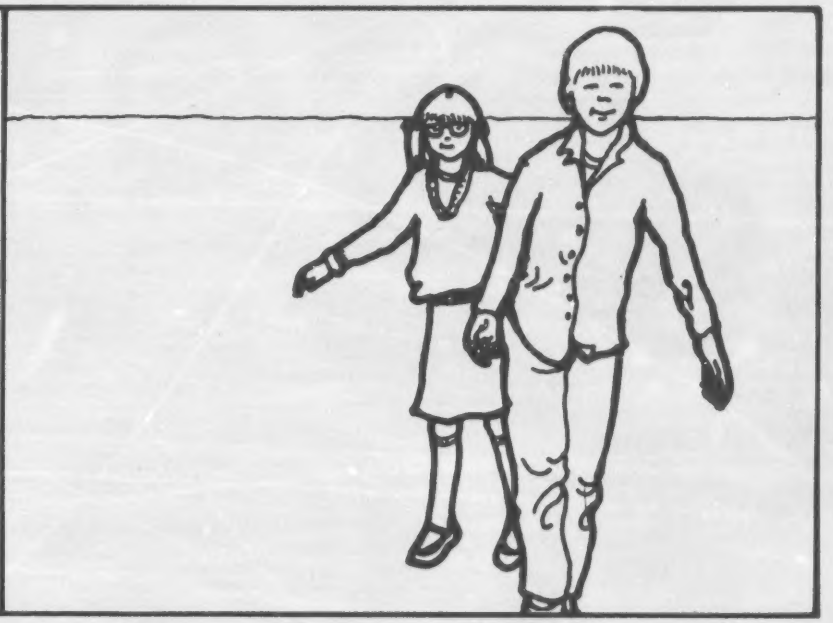


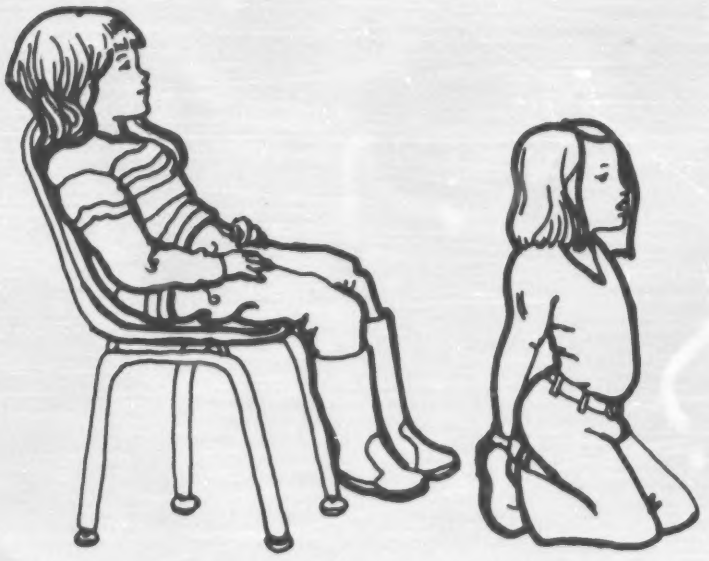


atrás

à frente

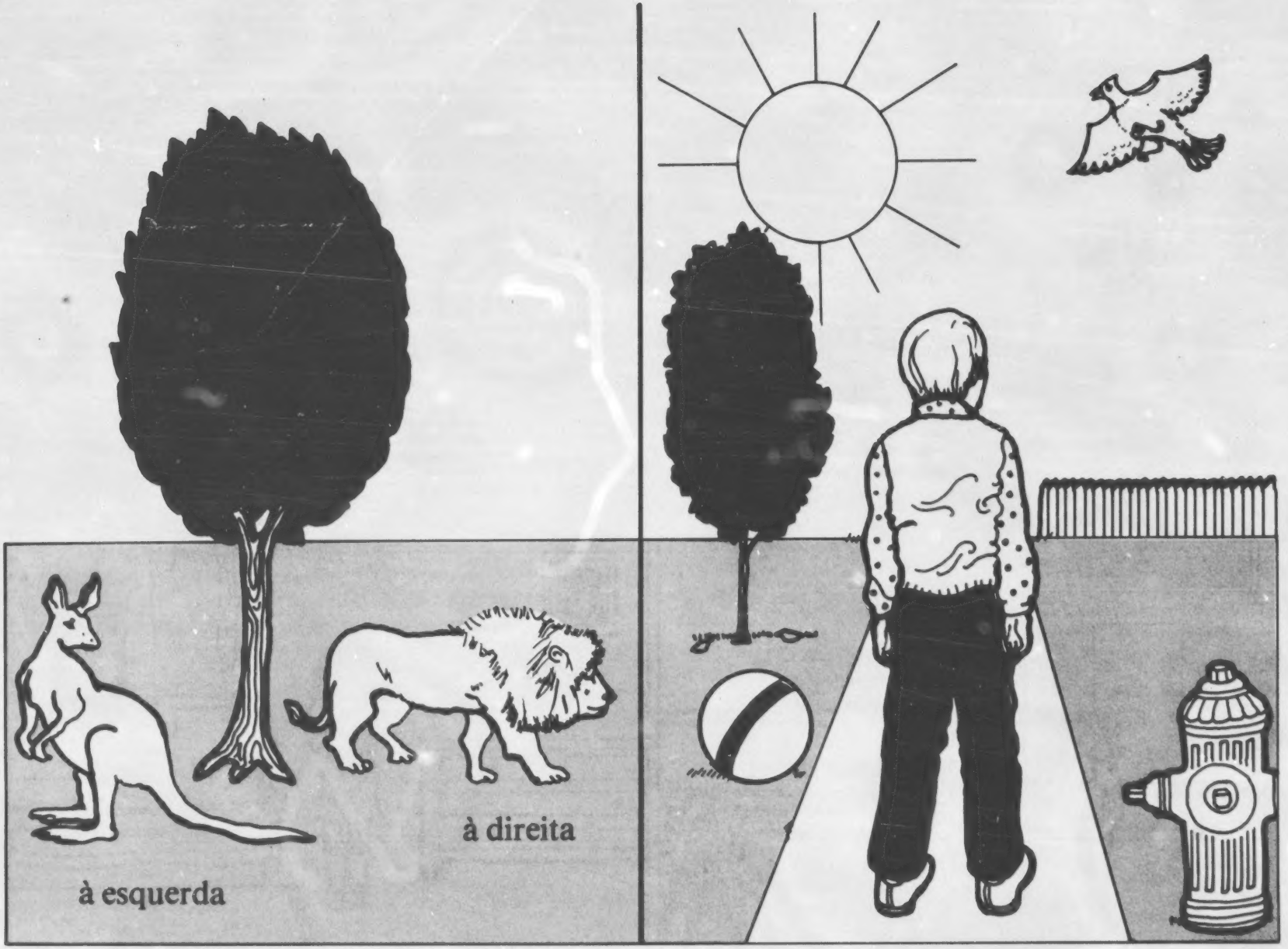
Nome _____





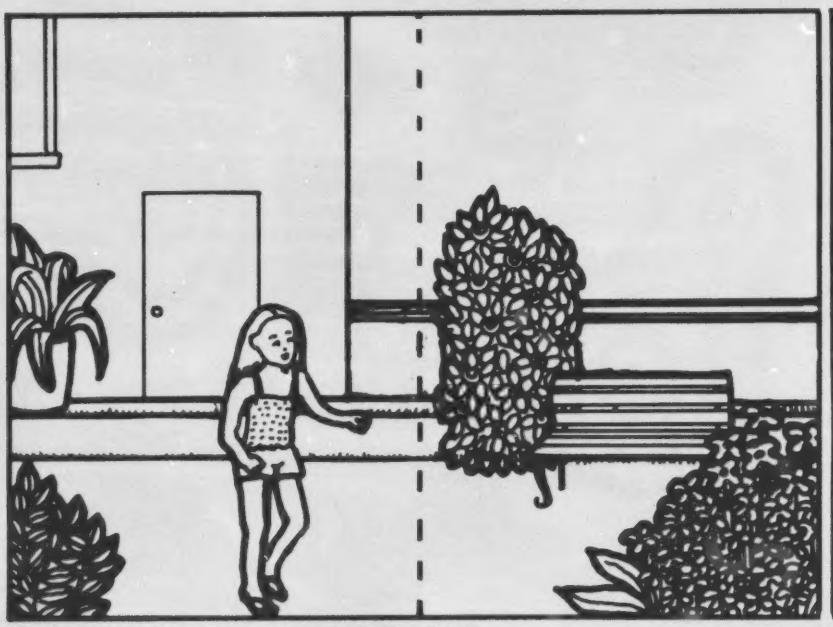
Em cima: Colorir o(a) menino(a) que está atrás.
Em baixo: Colorir os meninos à frente da menina que está sentada no chão.

Localização



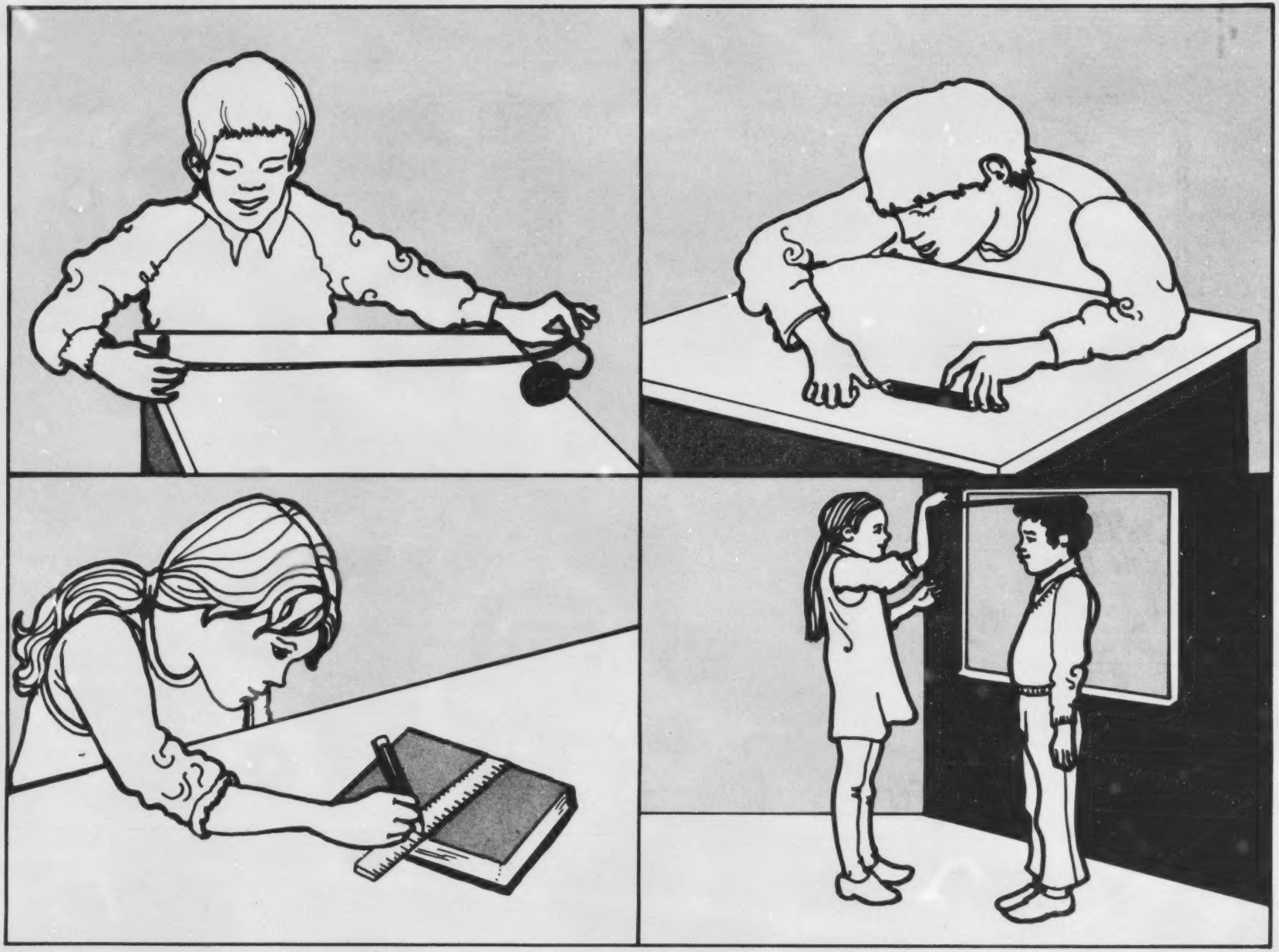
25

Nome _____

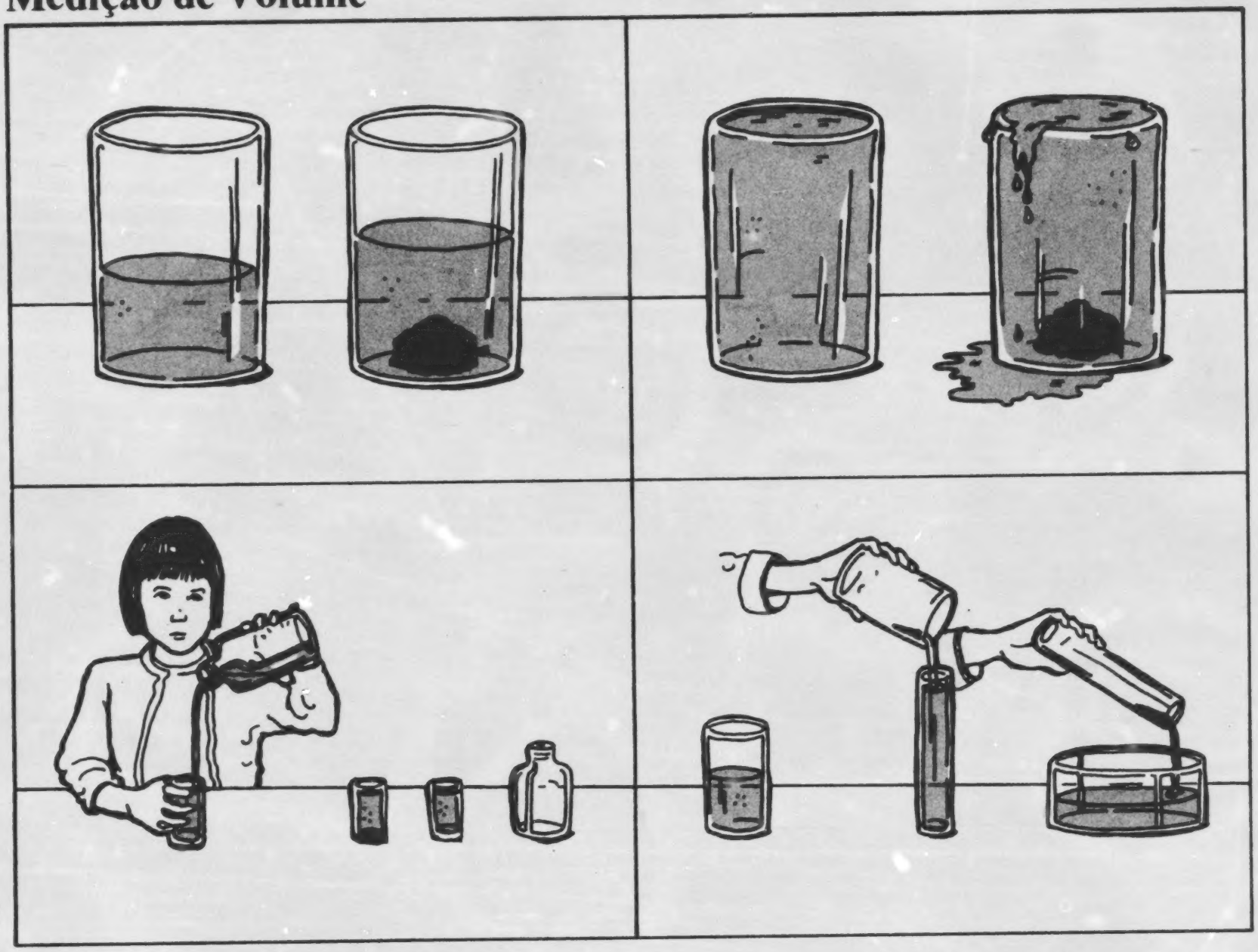


Em cima: Colorir os objectos à esquerda da cafeteira.
Em baixo: Colorir à direita da linha tracejada, no primeiro quadro e à direita da menina, no segundo.

Medição de Comprimento



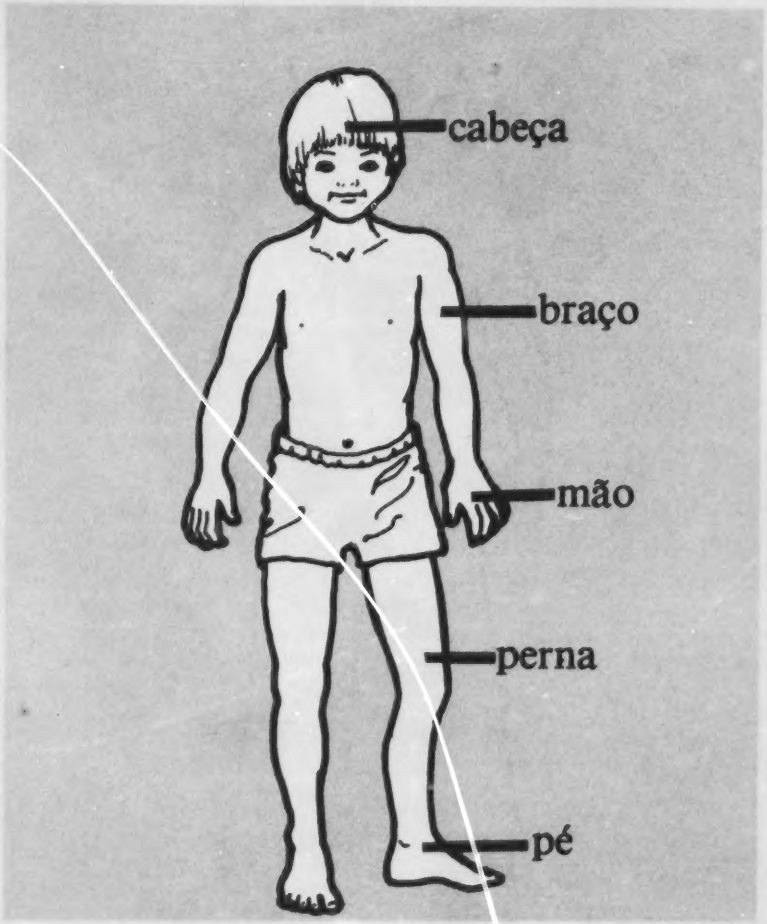
Medição de Volume



63

64

O Meu Corpo



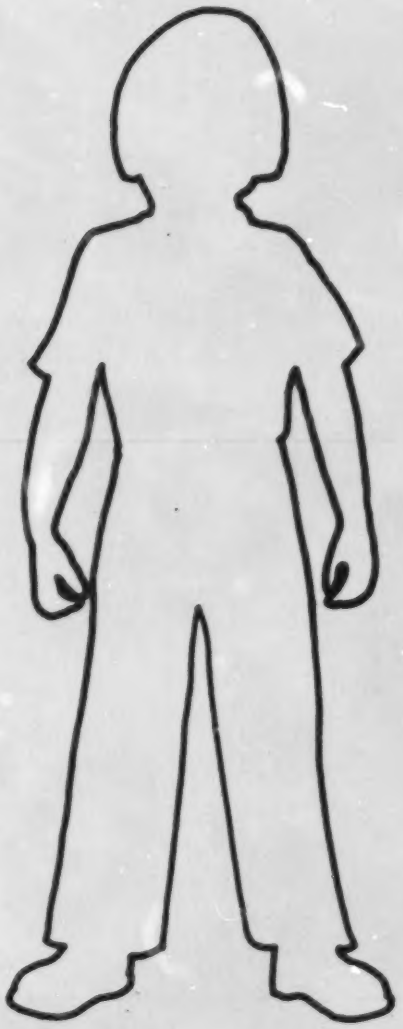
65

66

30

Recortar e colar as partes do corpo sobre o desenho em contorno.

Nome _____



Os Sentidos

vista

tacto

cheiro

gosto

ouvido

Nome_____

Ligar os órgãos dos sentidos aos objectos com que se podem associar.

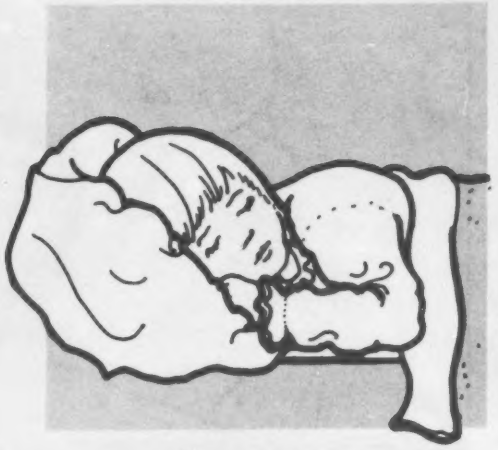
71

72

Cuidados com a Saúde

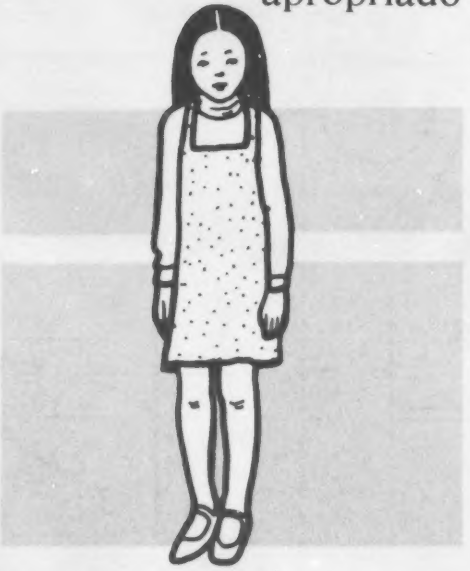
boa alimentação

vestuário apropriado



descanso

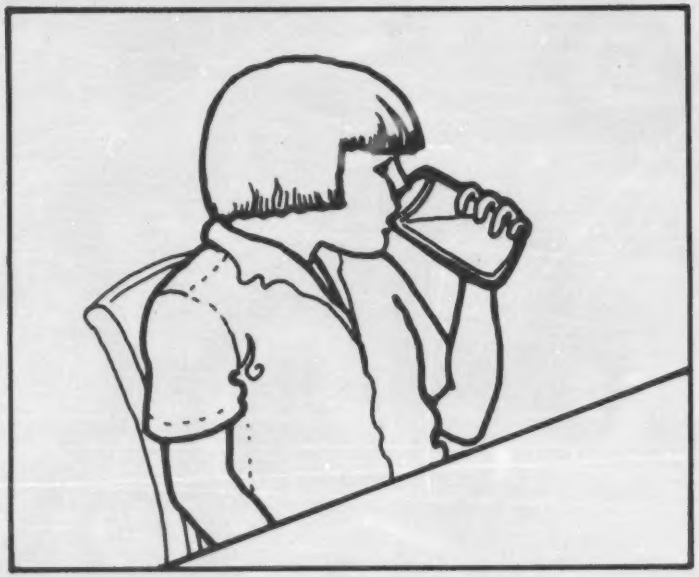
higiene

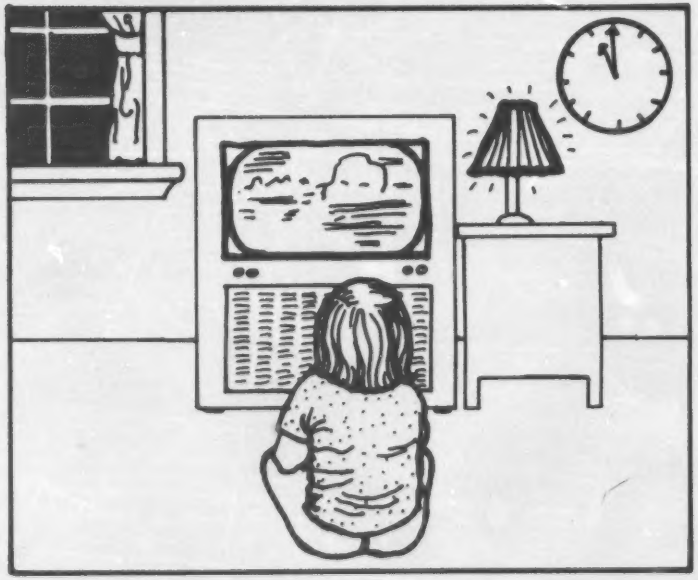


posição correcta

recreio

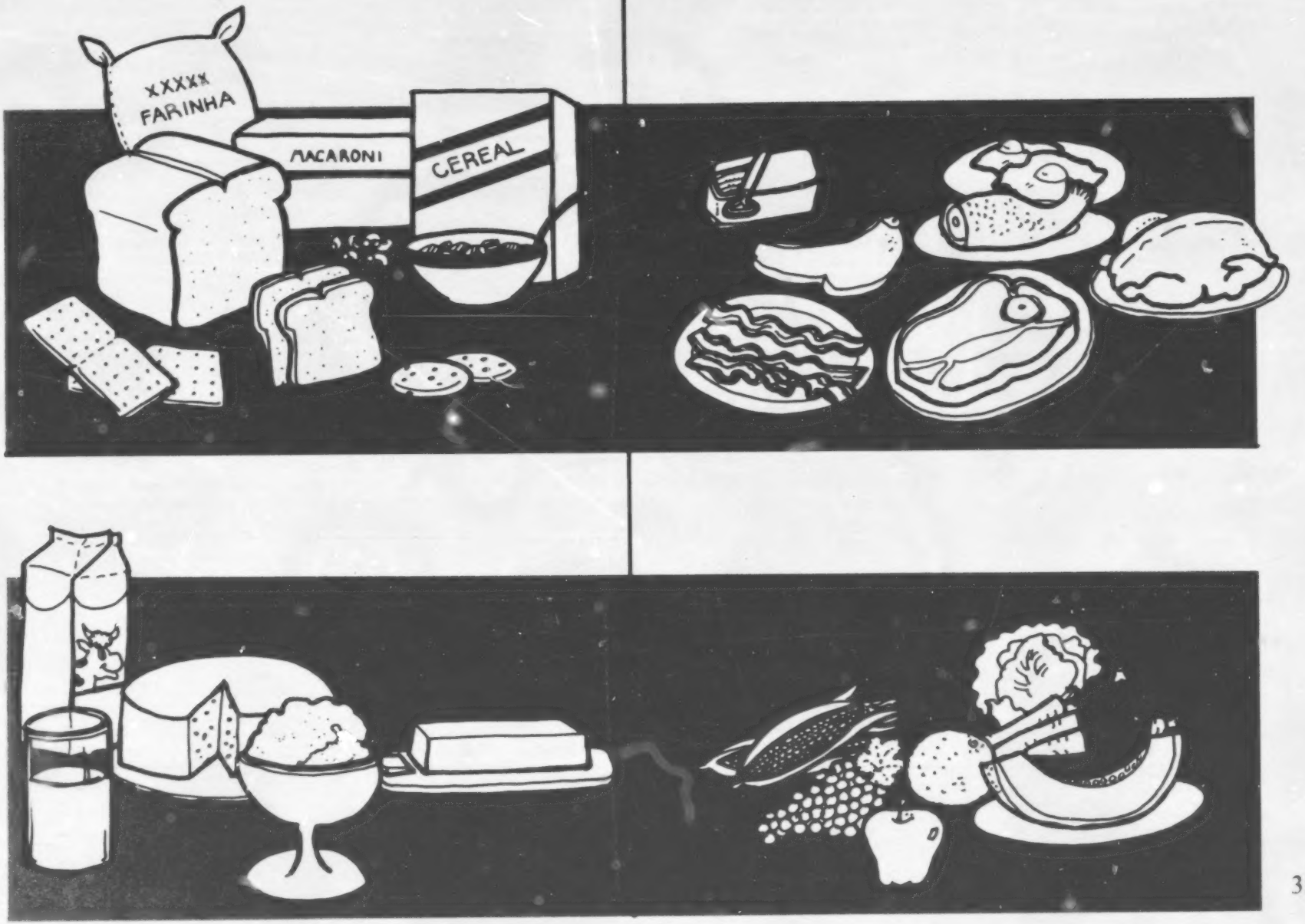
Nome _____



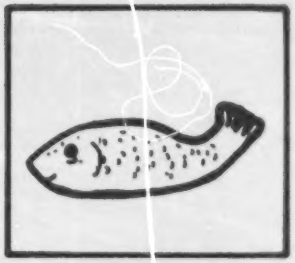


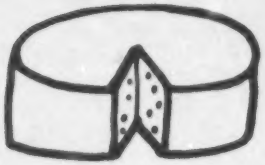
Assinalar com um X as situações incorrectas. Colorir.

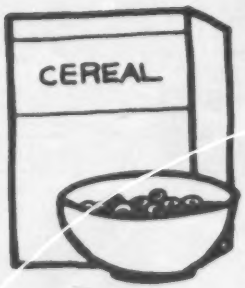
Grupos Alimentares

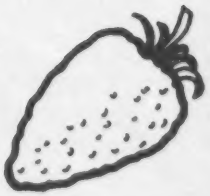


Nome _____





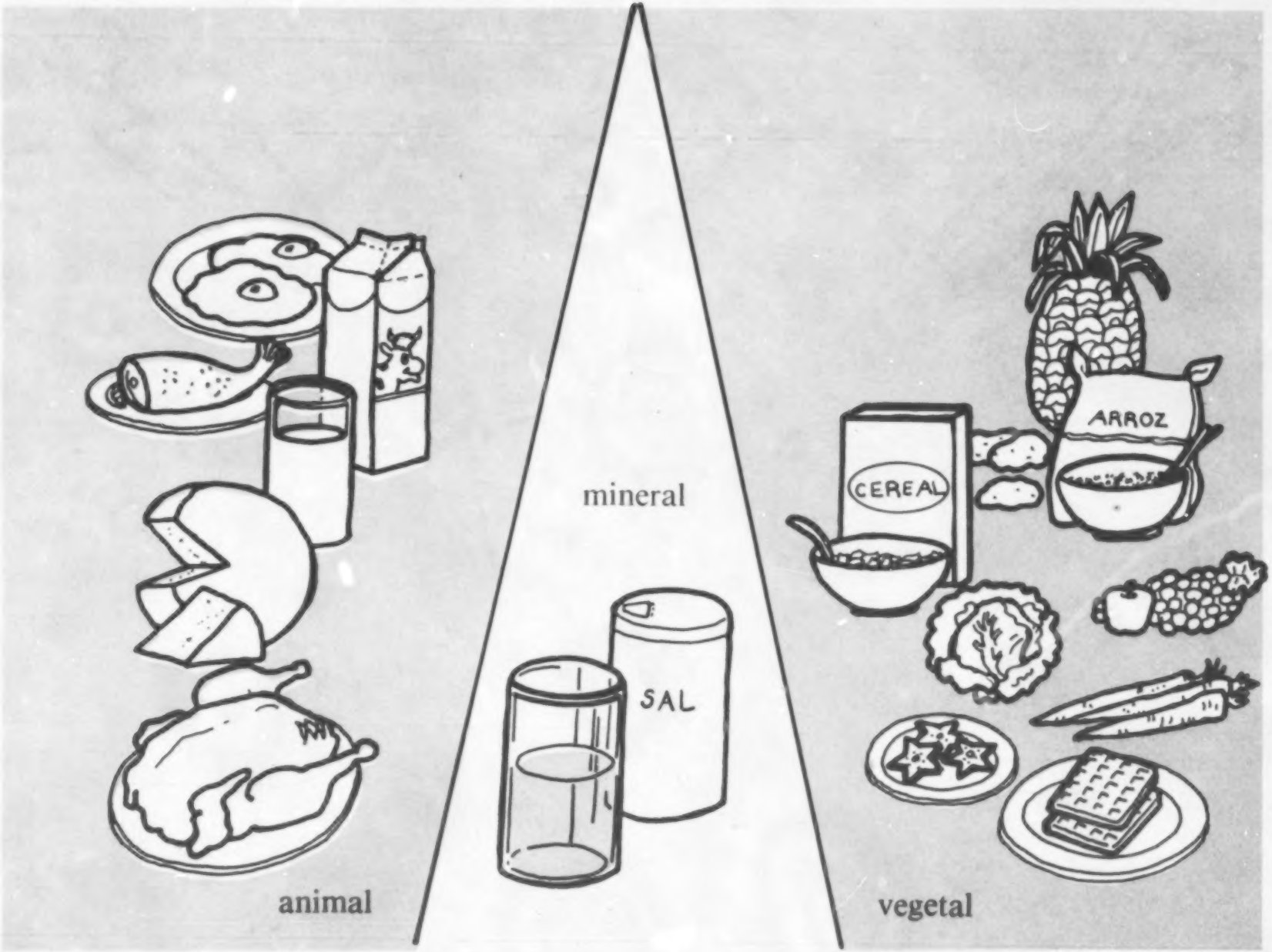




Ligar os alimentos ao símbolo do grupo a que pertencem.

80

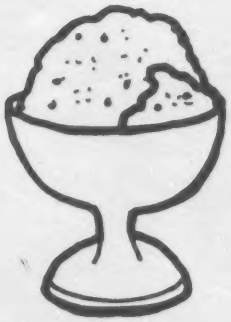
A Origem dos Alimentos

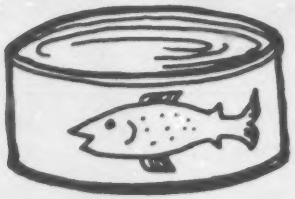


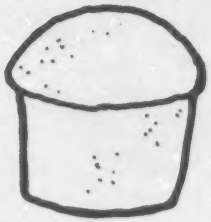
81

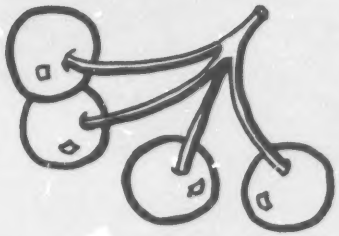
82

Nome _____

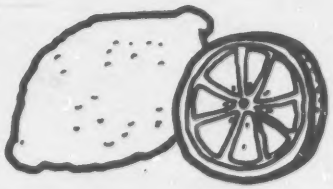


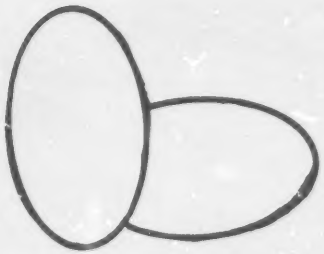






83





84

Colorir de uma cor os alimentos de origem vegetal e de outra os de origem animal.

Higiene

85

86

Nome _____

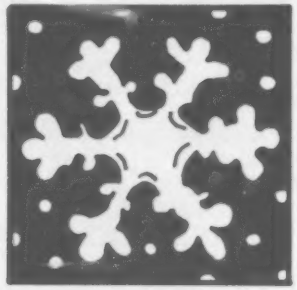
Assinalar com um X as situações incorrectas. Colorir.

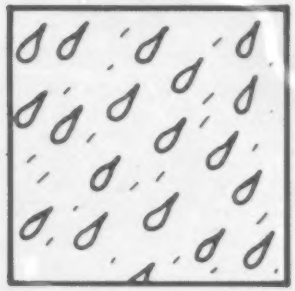
87

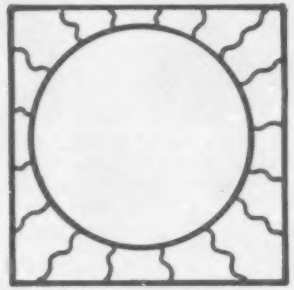
88

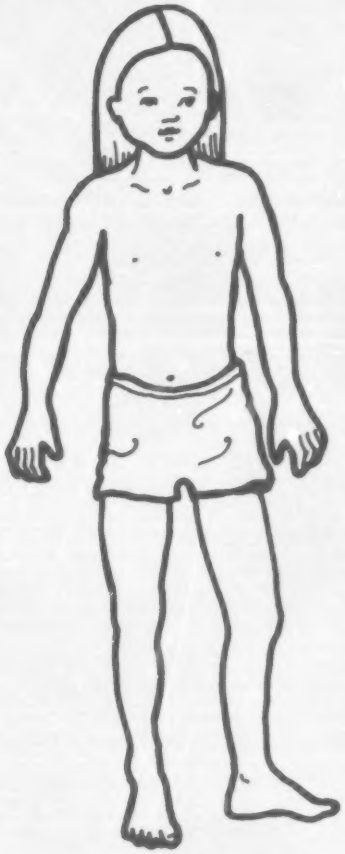
Vestir de Acordo com o Tempo

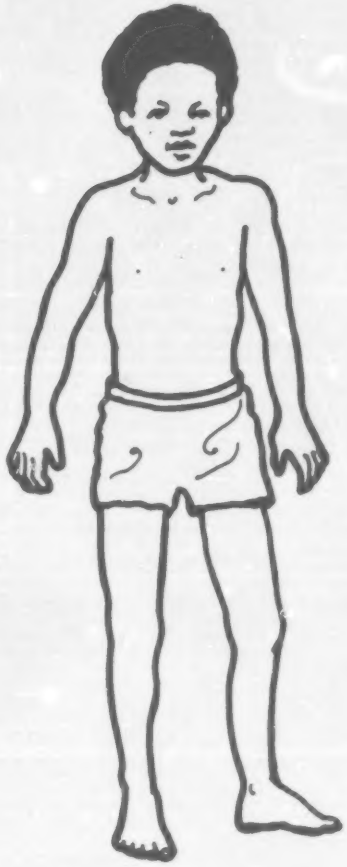
Nome _____





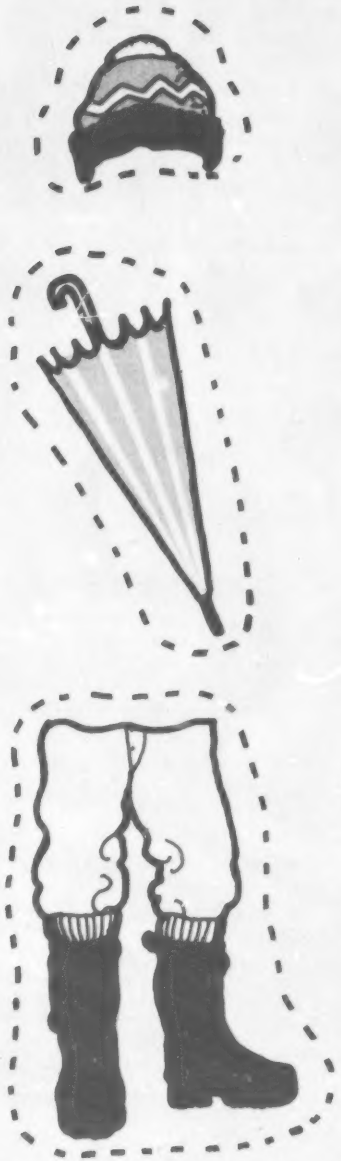




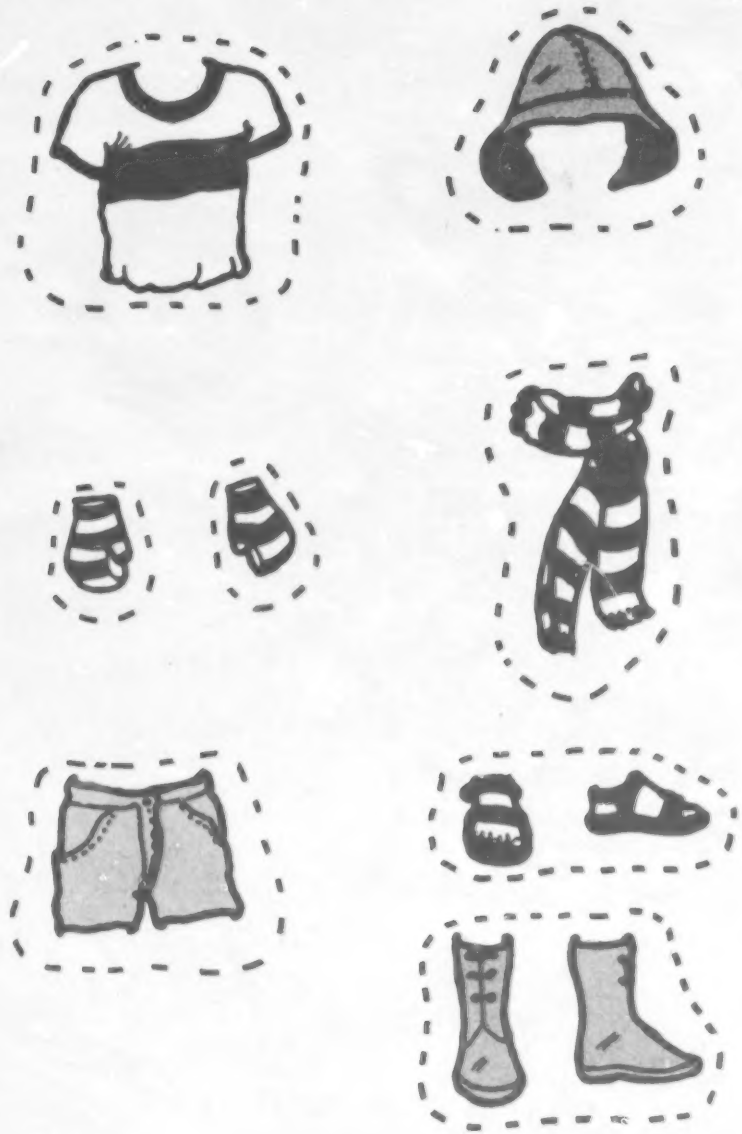


92

Recortar as peças de vestuário da página 43 e colar de acordo com os símbolos do tempo.

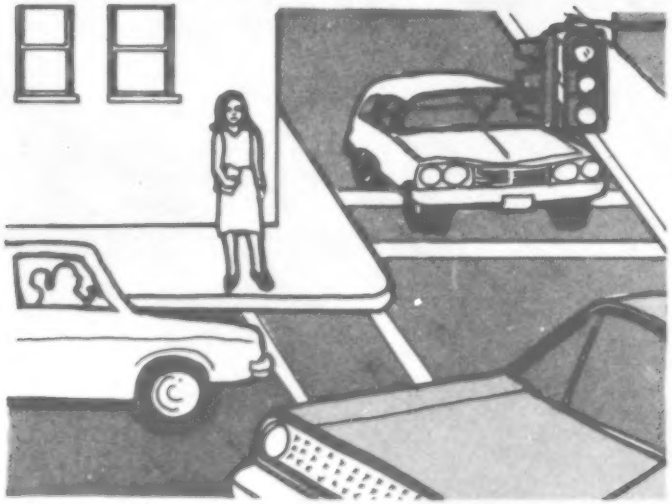


93

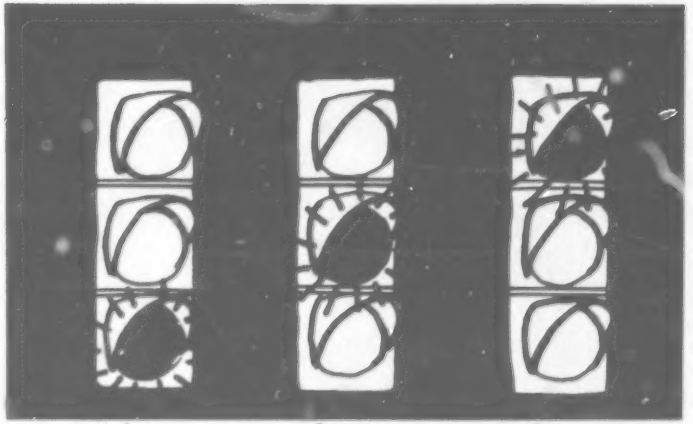


94

Regras de Segurança



Antes de atravessar, pára e olha para os dois lados.

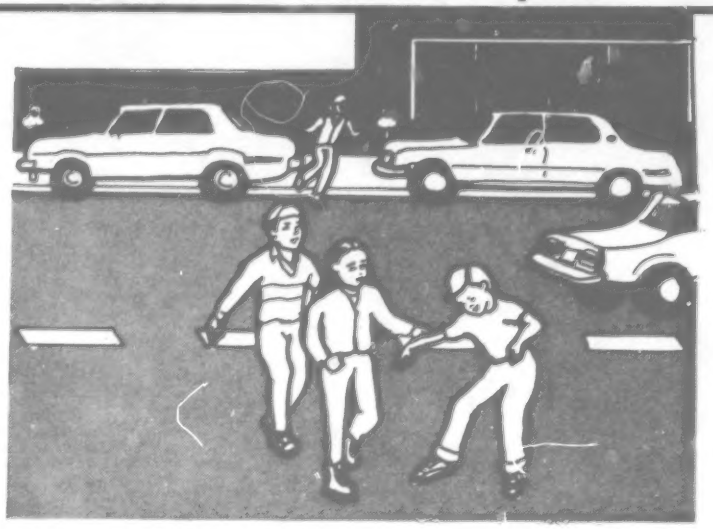


luz verde: —passar

luz amarela: —cuidado

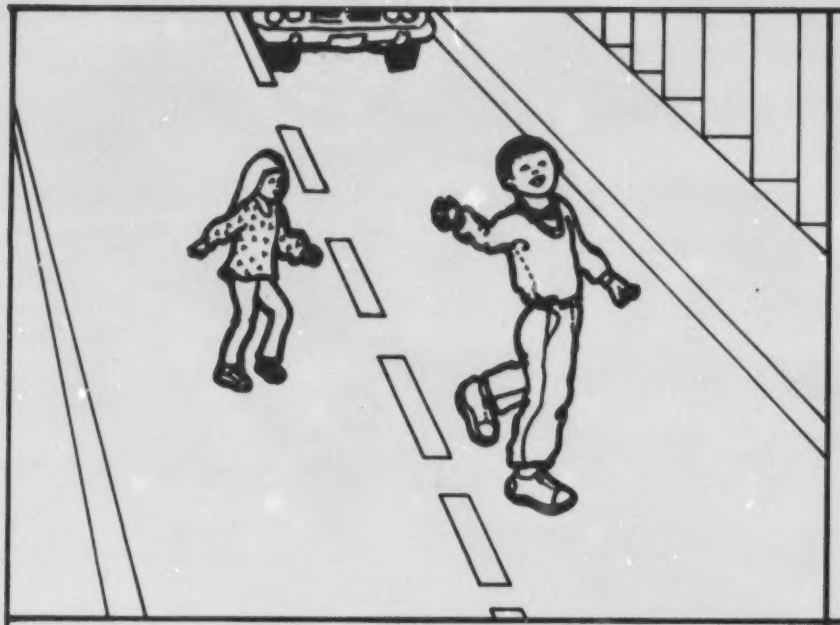
luz vermelha: —parar

Segurar o guiador com as duas mãos.



Não brincar perto de carros parados ou no meio da rua.

Nome _____

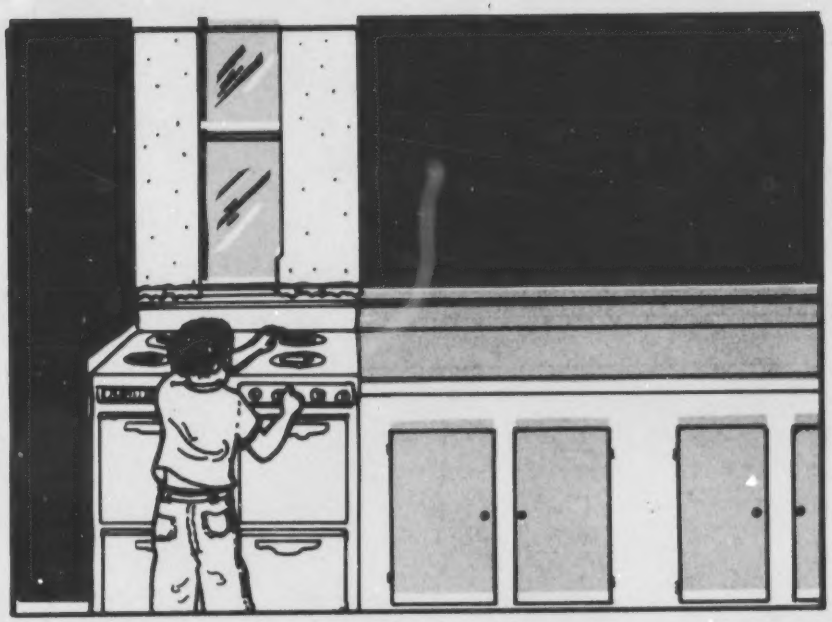


Assinalar com um X as situações de perigo.

97

98

É perigoso...



brincar com objectos que cortam

47

Nome _____

48

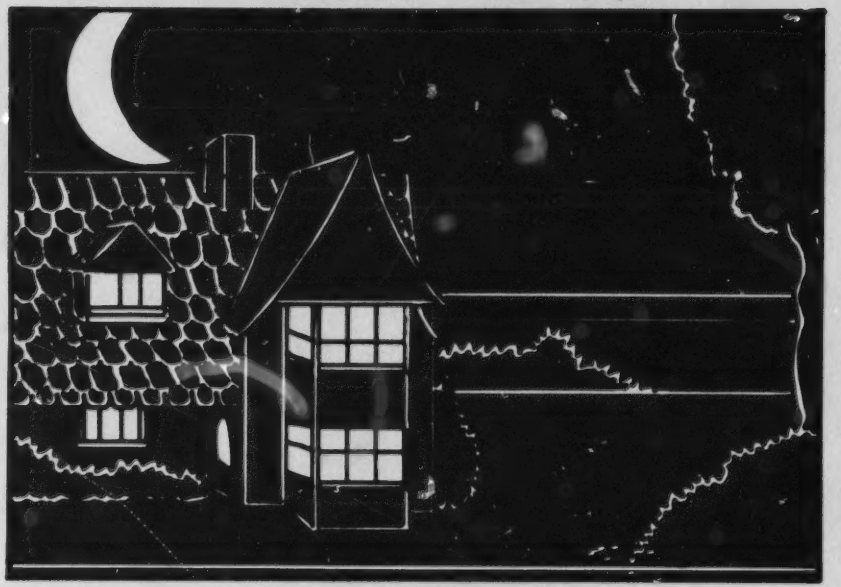
Fazer um X sobre o que não se deve fazer e colorir o que está correcto.

O Sol

O Sol é fonte de luz e calor.

A luz do Sol provoca sombras.

De dia há luz do Sol.



De noite não há luz do Sol.

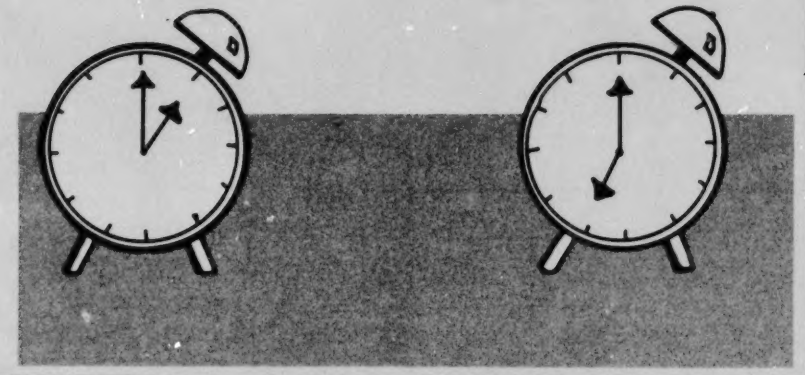
Nome _____

Desenhar em papel de construção o Sol e a Lua. Recortá-los e colá-los na gravura apropriada.

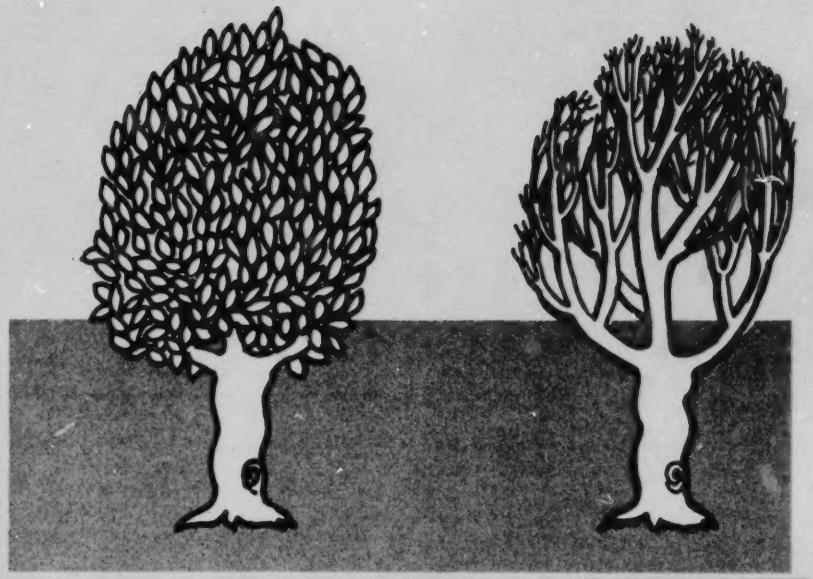
105

106

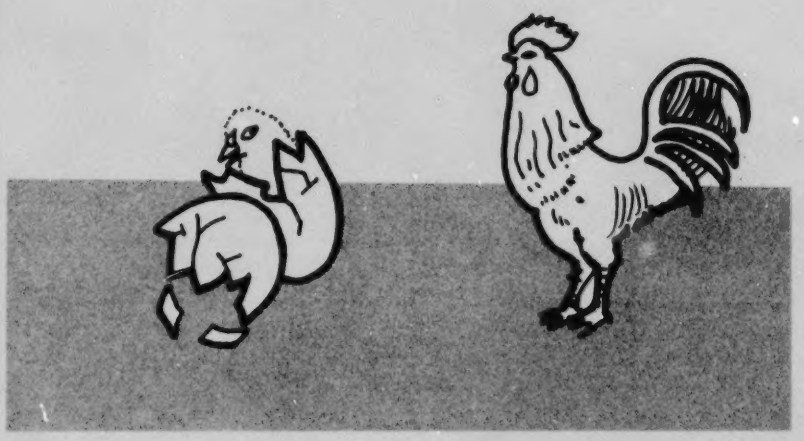
Tudo Muda com o Tempo



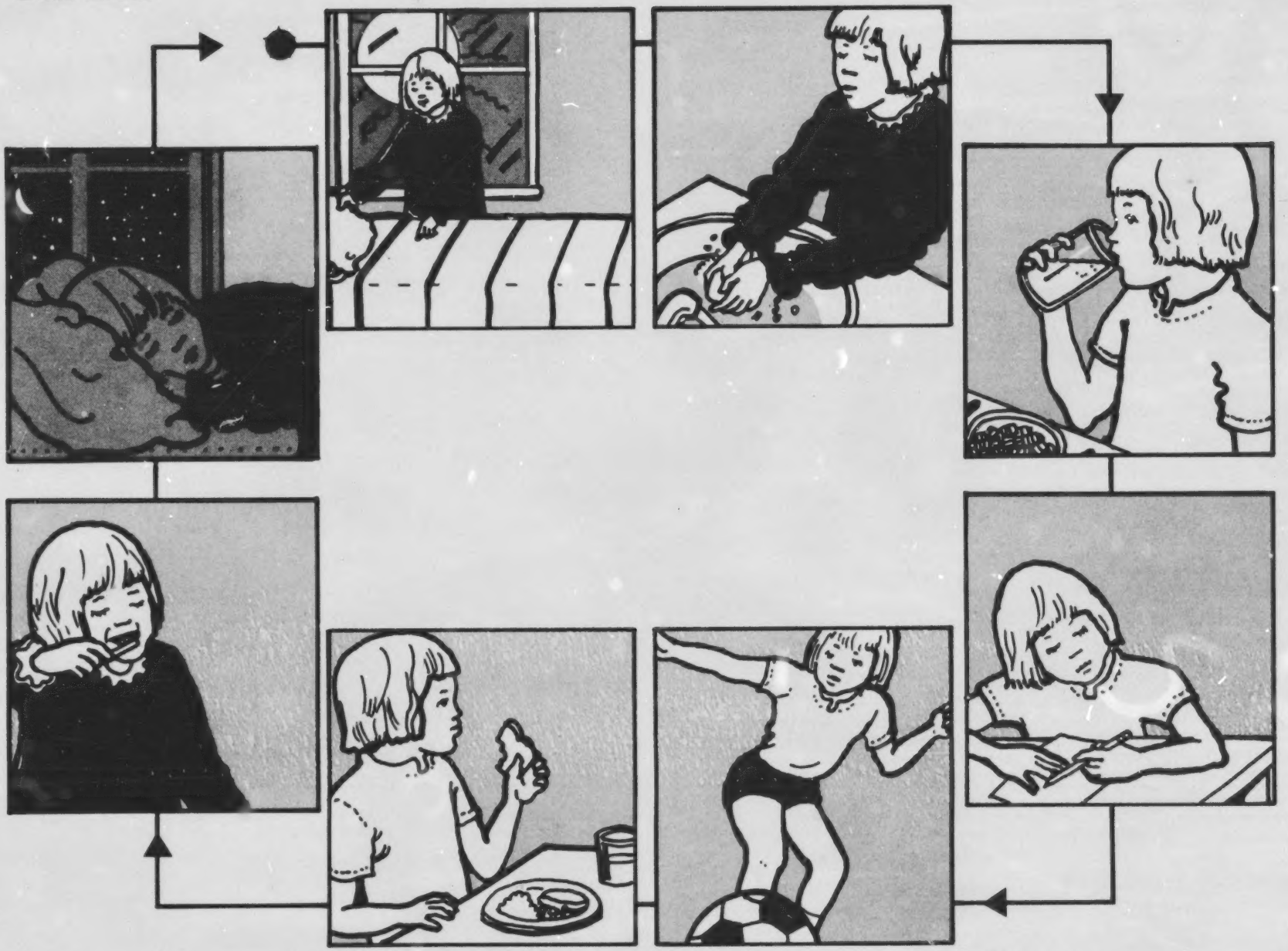
107



108



Um Dia



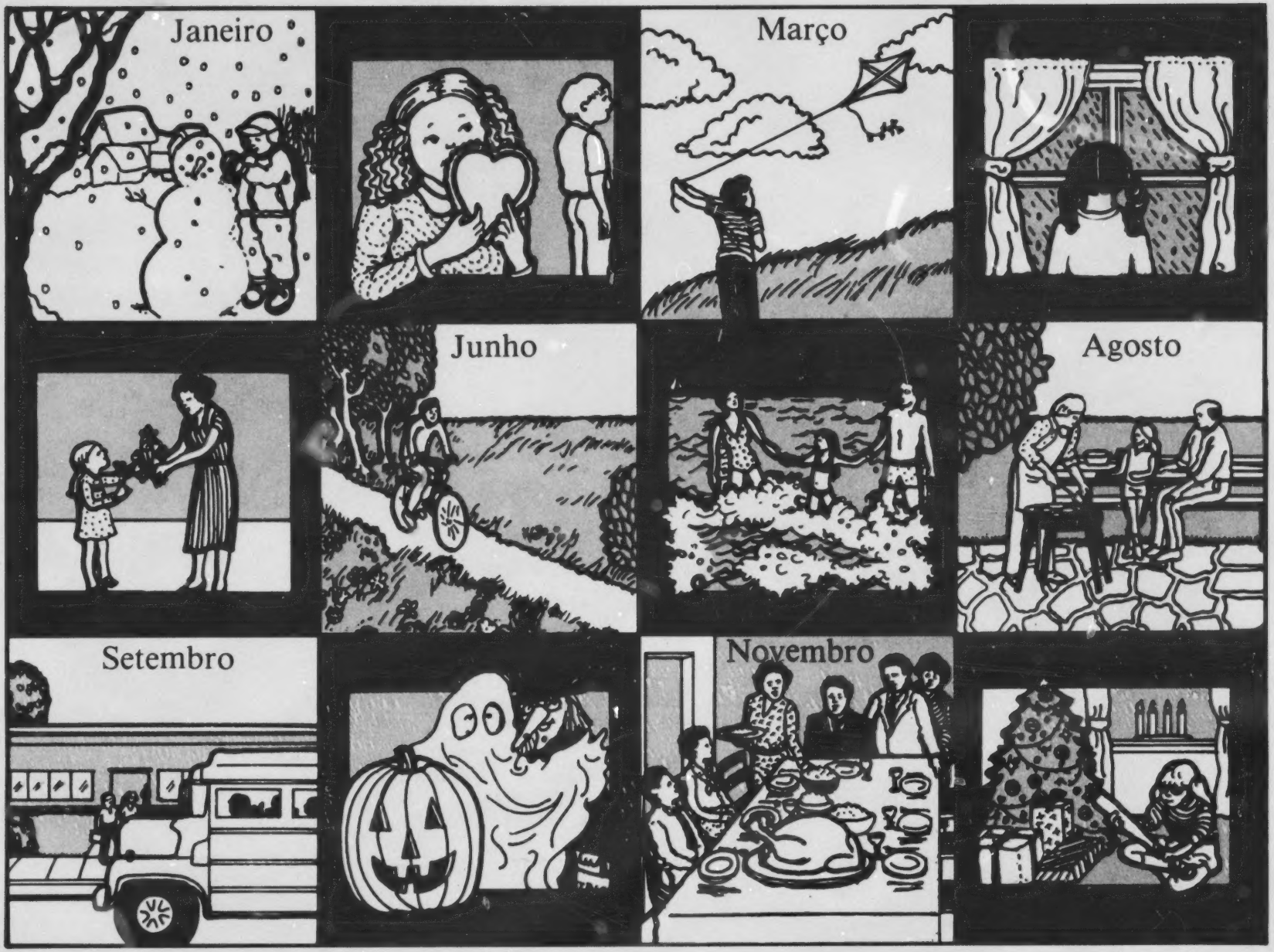
109

110

A Semana

Domingo
Segun
Terça-feira
Quarta-feira
Quinta-feira
Sexta-feira
Sábado

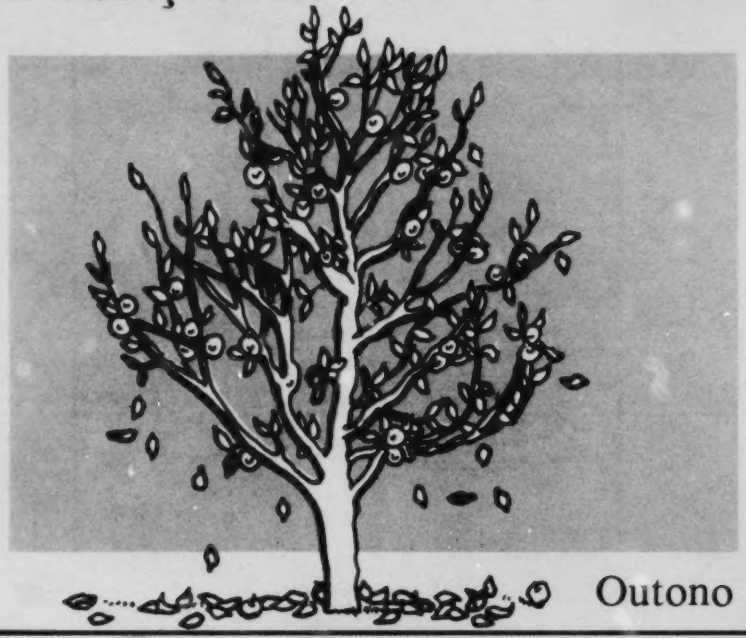
Os Meses



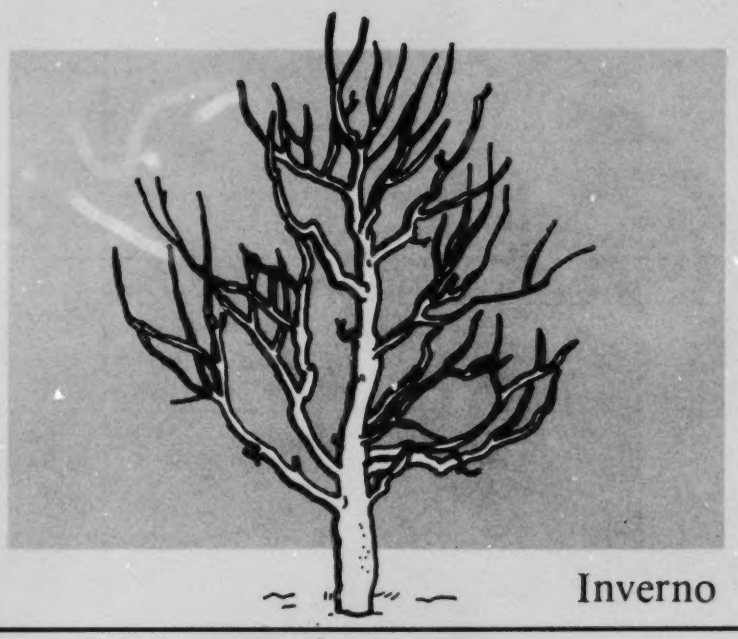
O Ano

← Um ano →

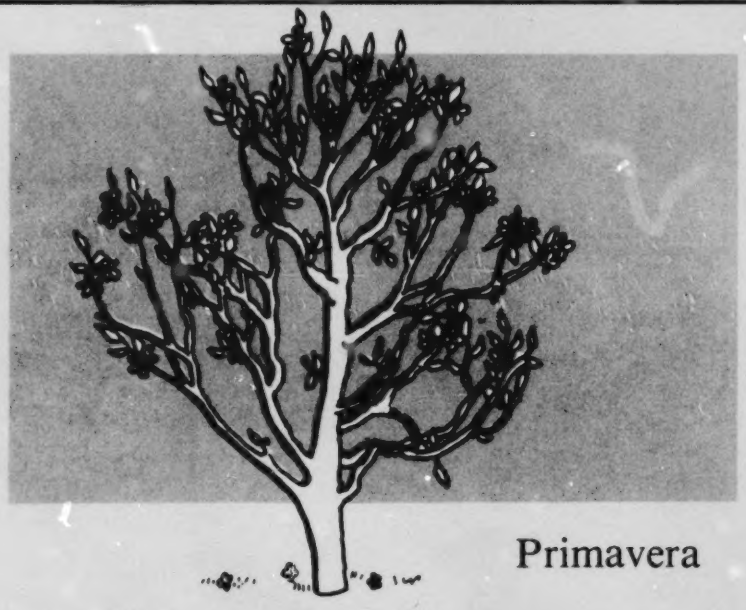
As Estações do Ano



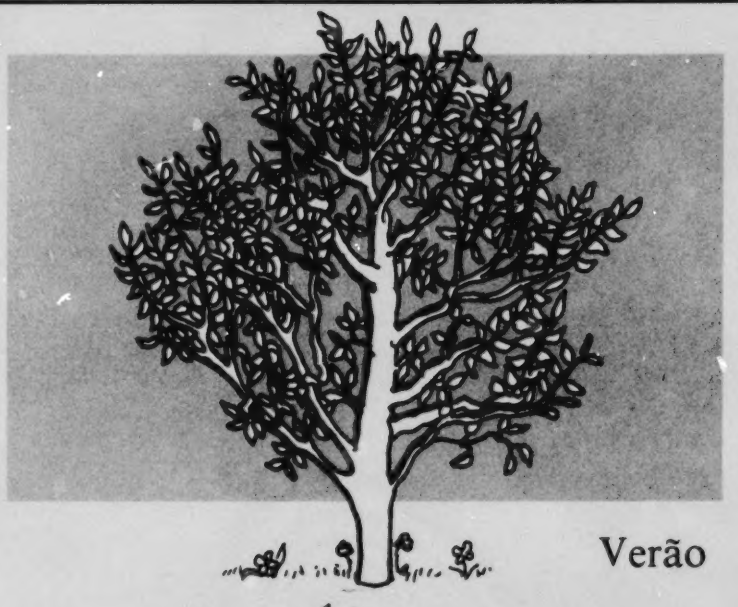
Outono



Inverno



Primavera



Verão

117

118

Condições do Tempo

Às vezes faz calor...

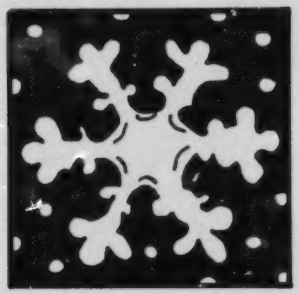
...outras faz frio.

Às vezes faz vento...

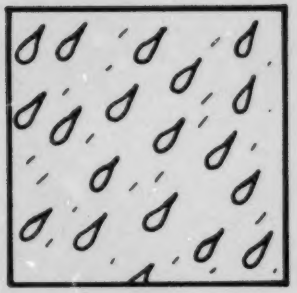
...outras chove.

57

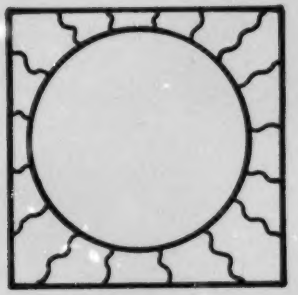
Nome _____



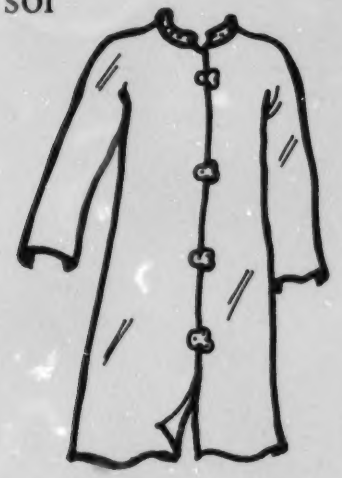
neve

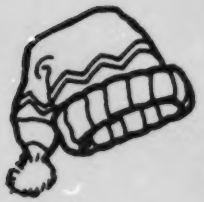


chuva



sol





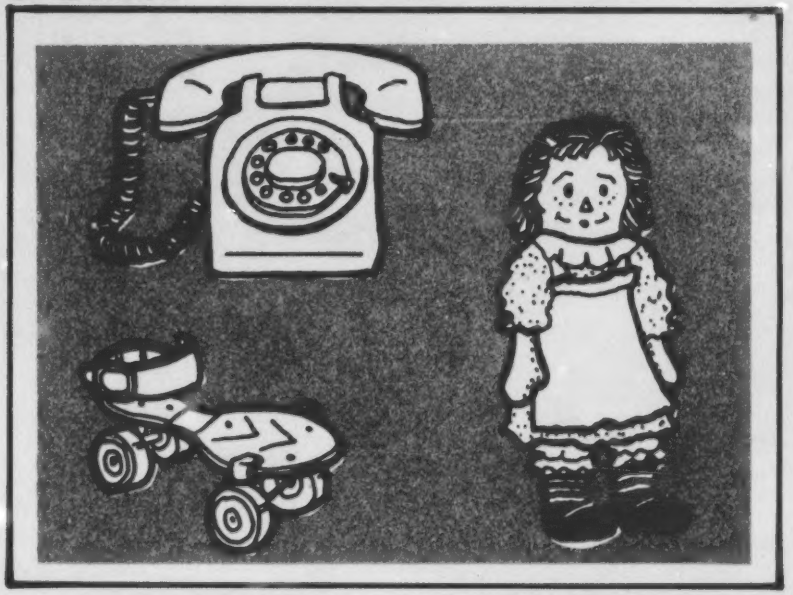
58

121

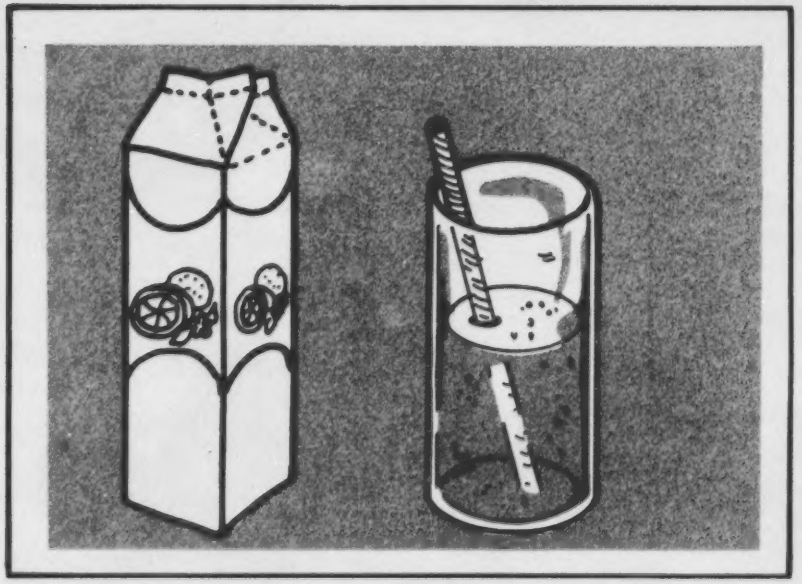
Ligar com um traço os símbolos do tempo aos objectos que se lhes podem associar.

122

Sólidos, Líquidos e Gases



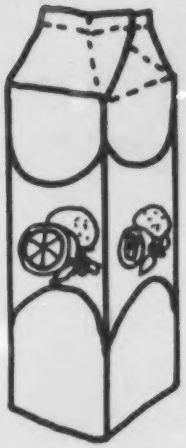
Algumas coisas são sólidas, outras líquidas e outras gasosas.

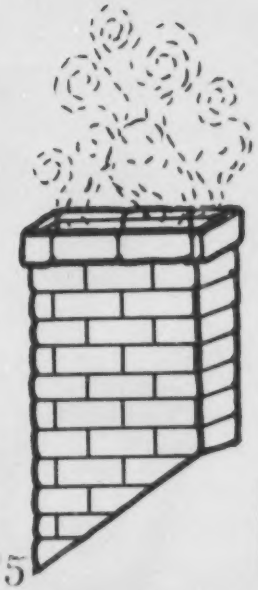


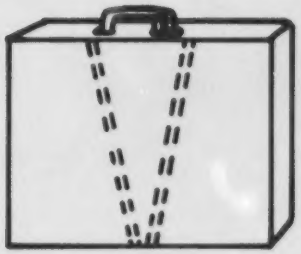
123

124

Nome _____







125

126

60

Escrever no quadrado ao lado de cada objecto a letra S, L ou G conforme o que cada um contém.

A Matéria Tem Propriedades Diferentes

Alguns sólidos flutuam.

Os líquidos mudam de forma.

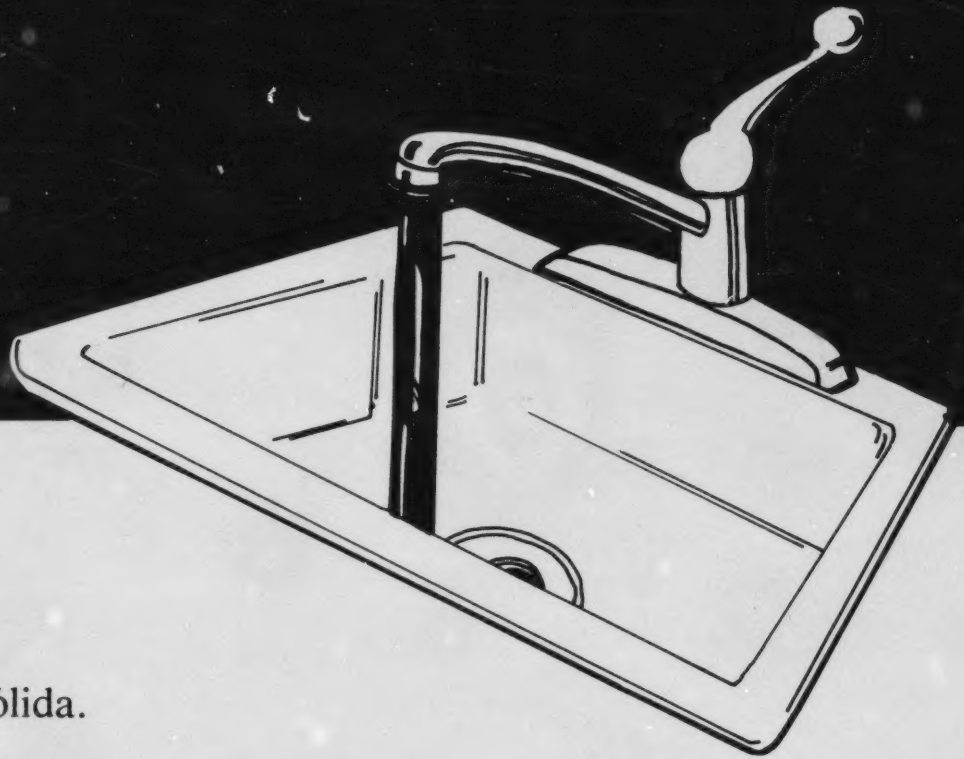
Os gases têm peso.

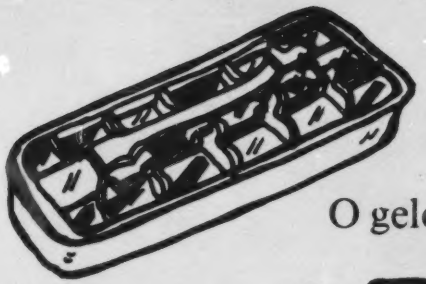
A Água

A água existe no mar nos lagos e nos rios.

129

130

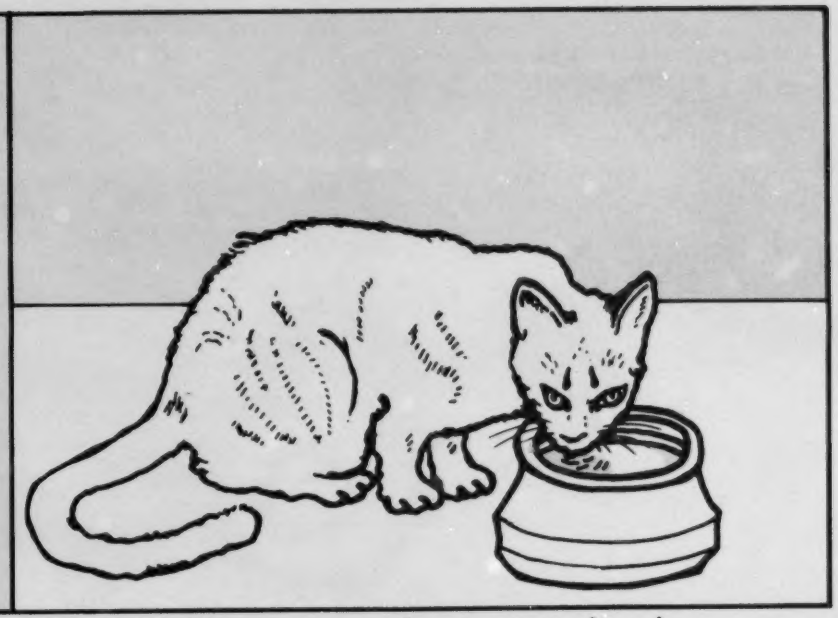




O gelo é água sólida.

Utilidade da Água

A água serve para beber e cozinhar...



alimenta as plantas e animais...

limpa...

e serve para nos divertirmos.

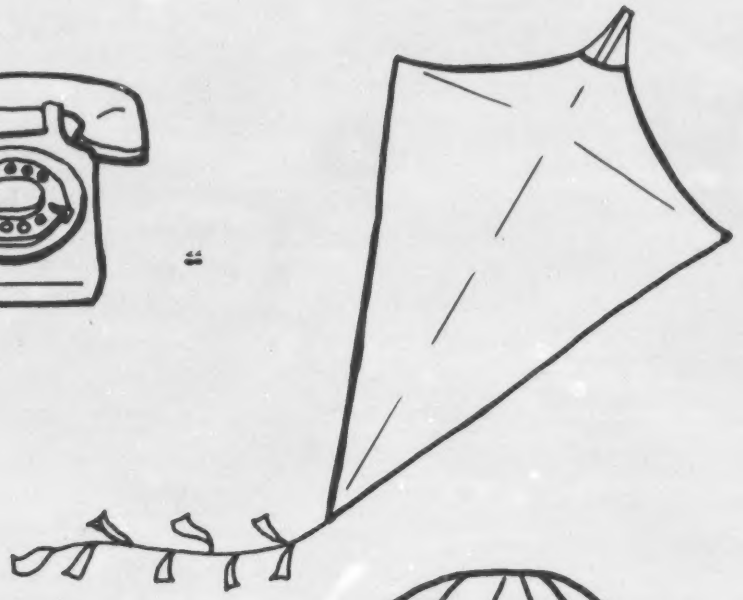
64

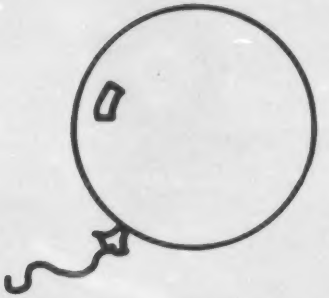
O Ar

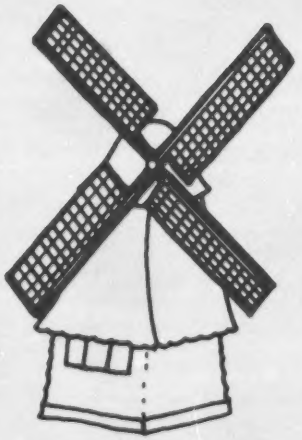
135

136

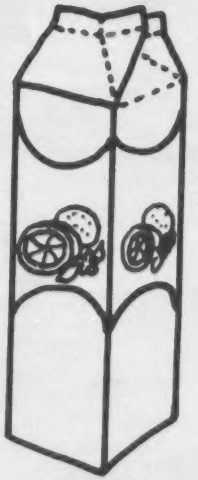
Nome _____







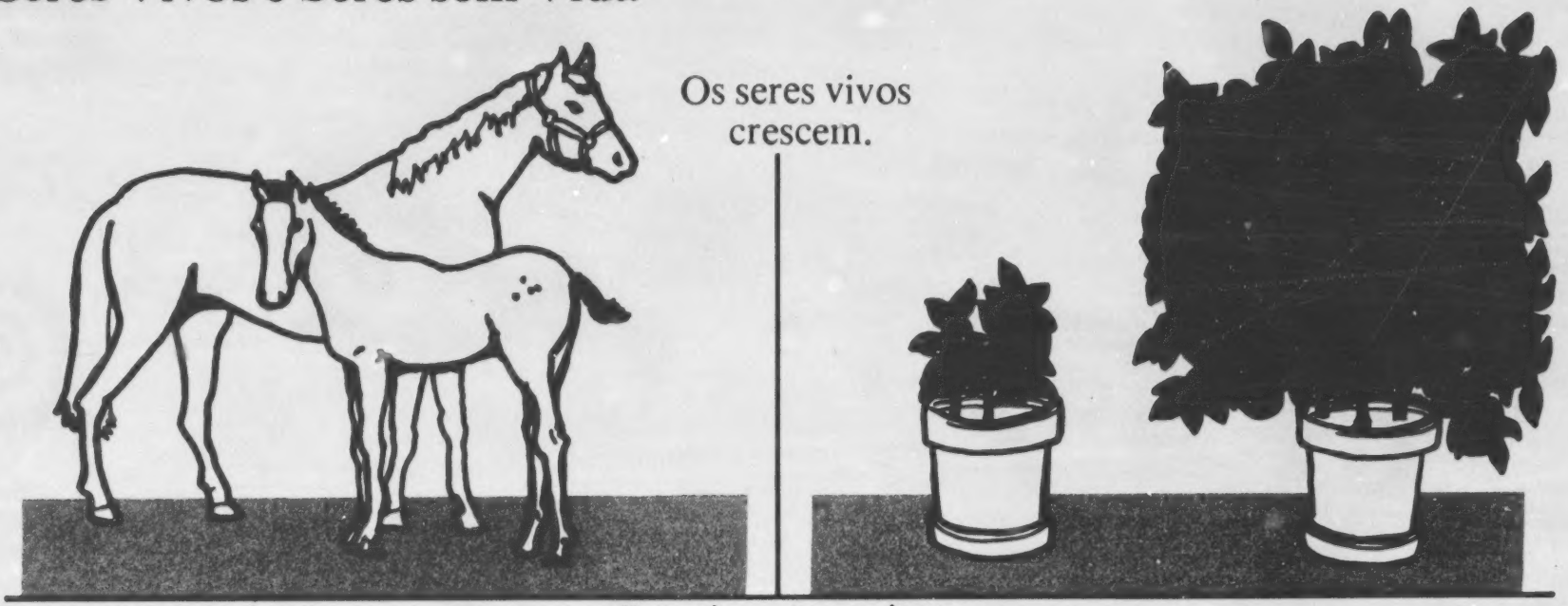
137



138

Colorir os objectos que precisam de ar.

Seres Vivos e Seres sem Vida



Os seres vivos crescem.

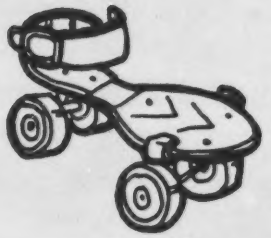
Para isso necessitam:

alimento...

luz...

e ar.

Nome _____

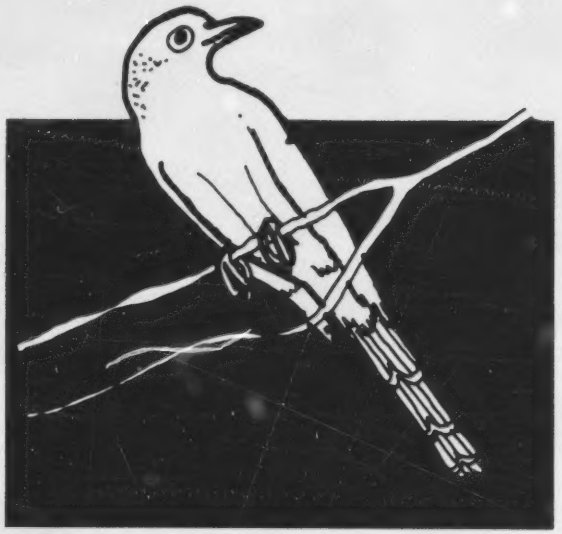


141

Colorir os seres sem vida.

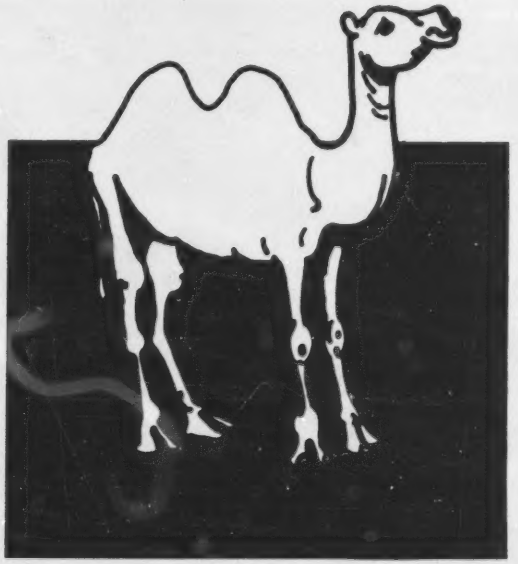
142

Seres Vivos: Animais e Plantas



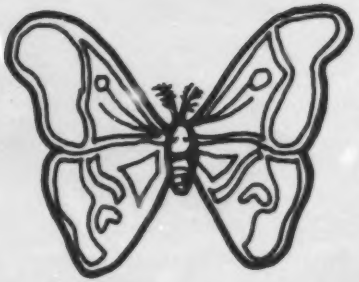
Os animais e as plantas são seres vivos.

143



144

Nome_____

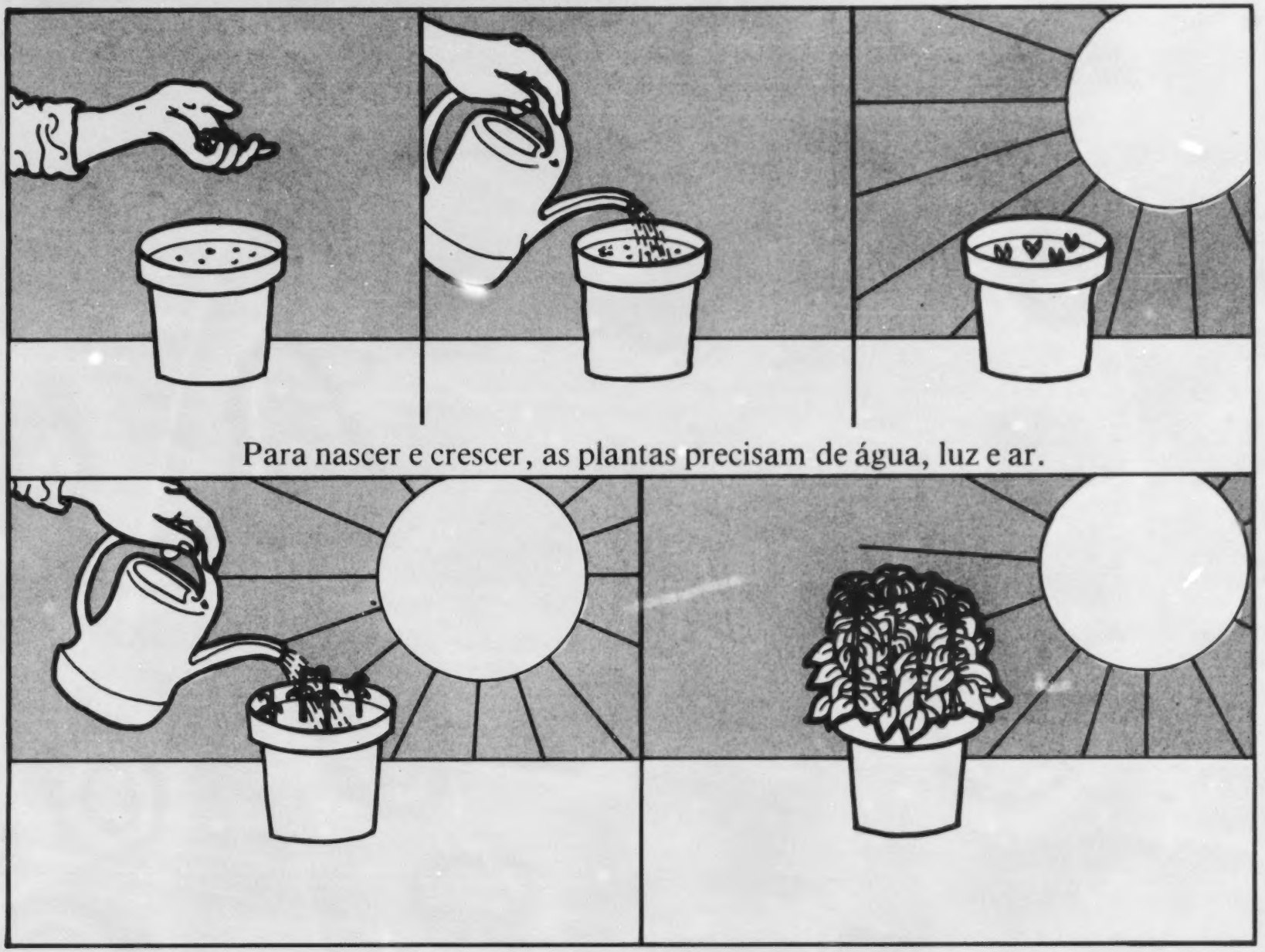


145

146

Circundar as plantas. Colorir.

Nascimento e Crescimento de uma Planta



Para nascer e crescer, as plantas precisam de água, luz e ar.

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Brown University - Providence, R.I.

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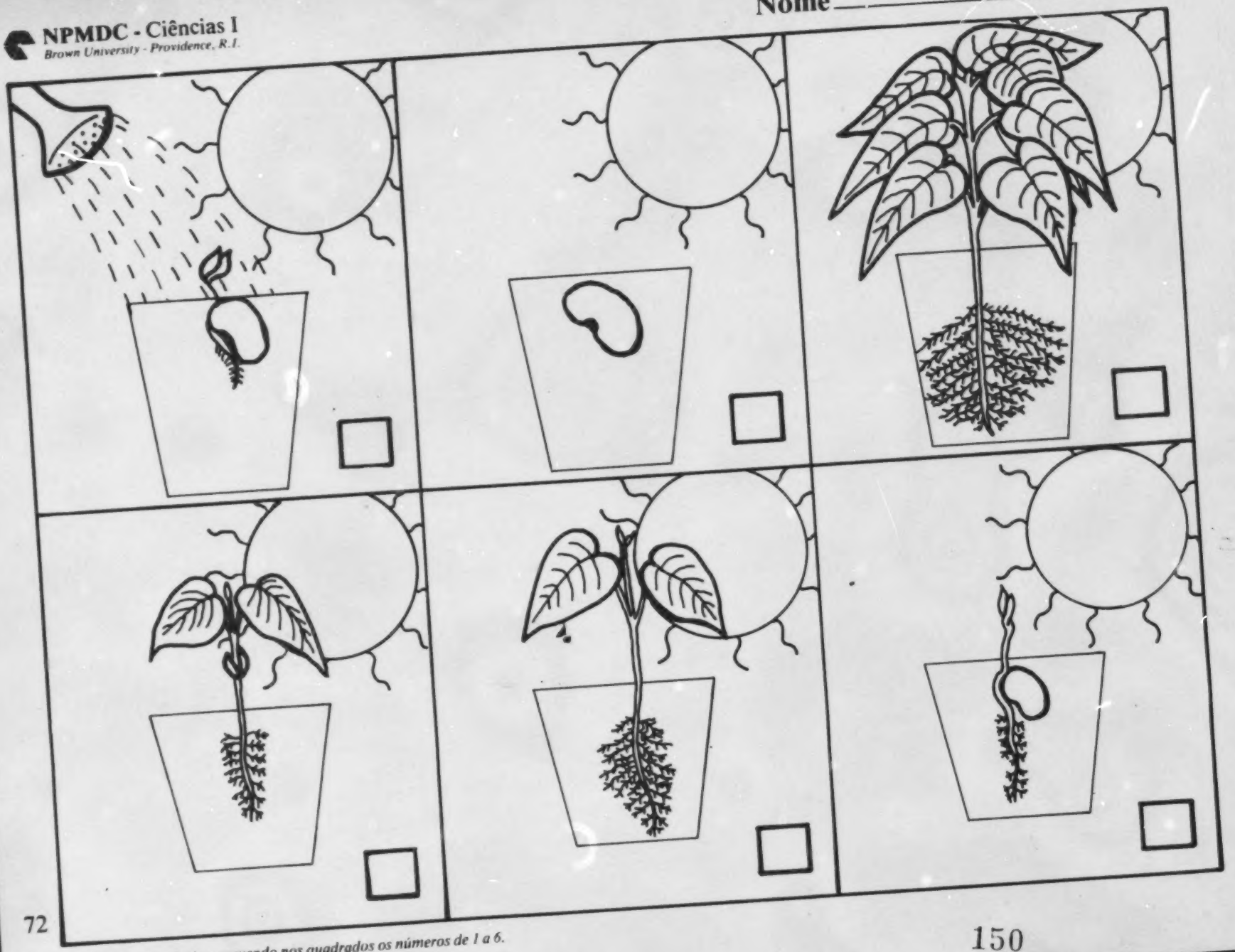


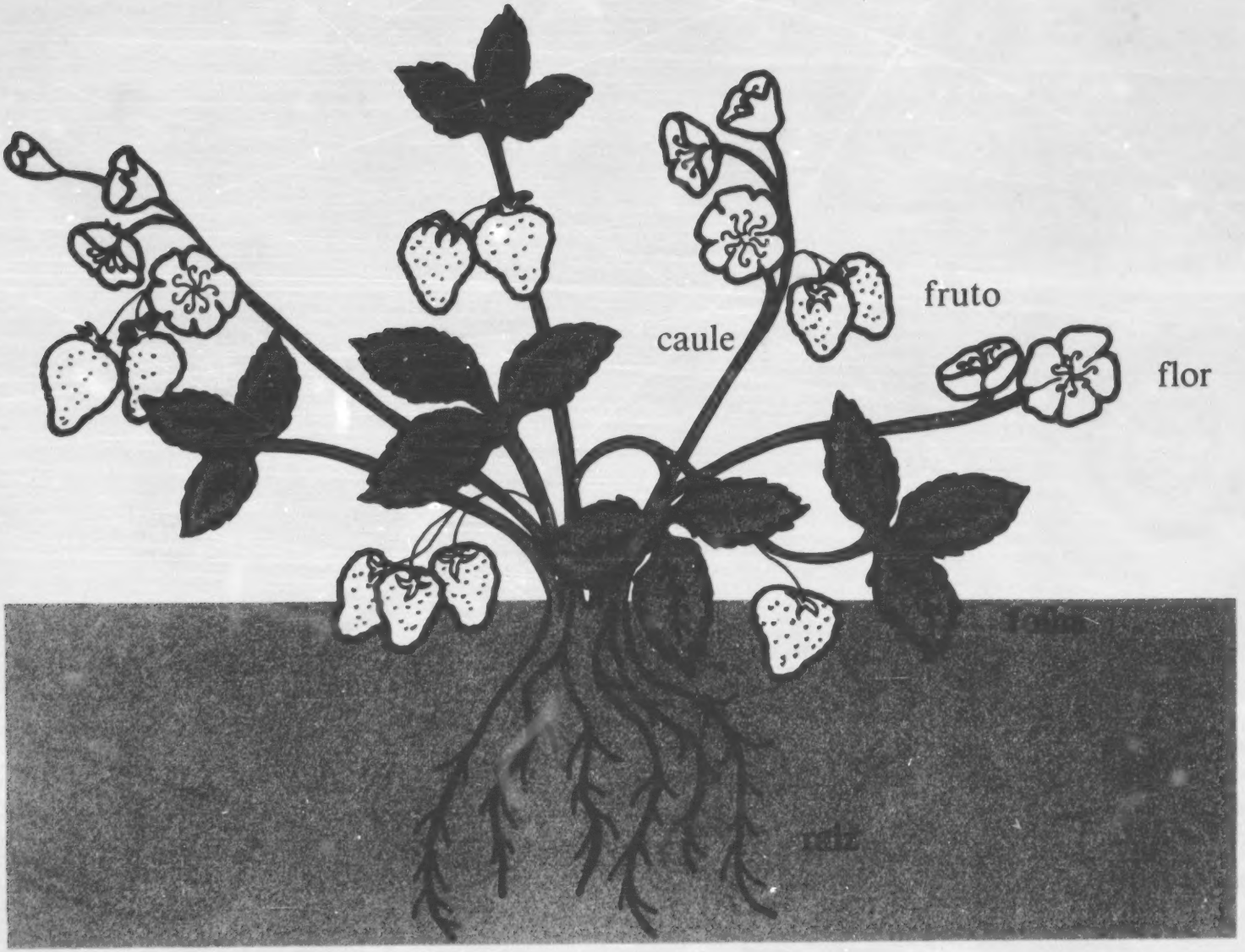
72

Colocar em sequência escrevendo nos quadrados os números de 1 a 6.

149

150

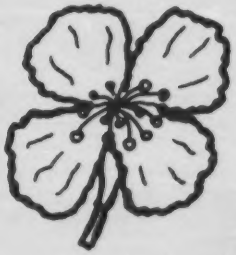
Partes das Plantas

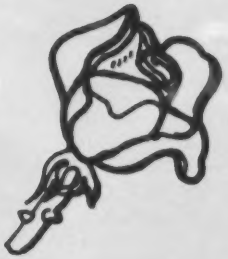


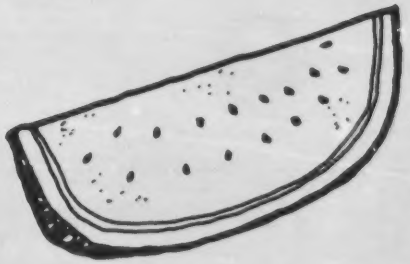
151

152

Nome _____





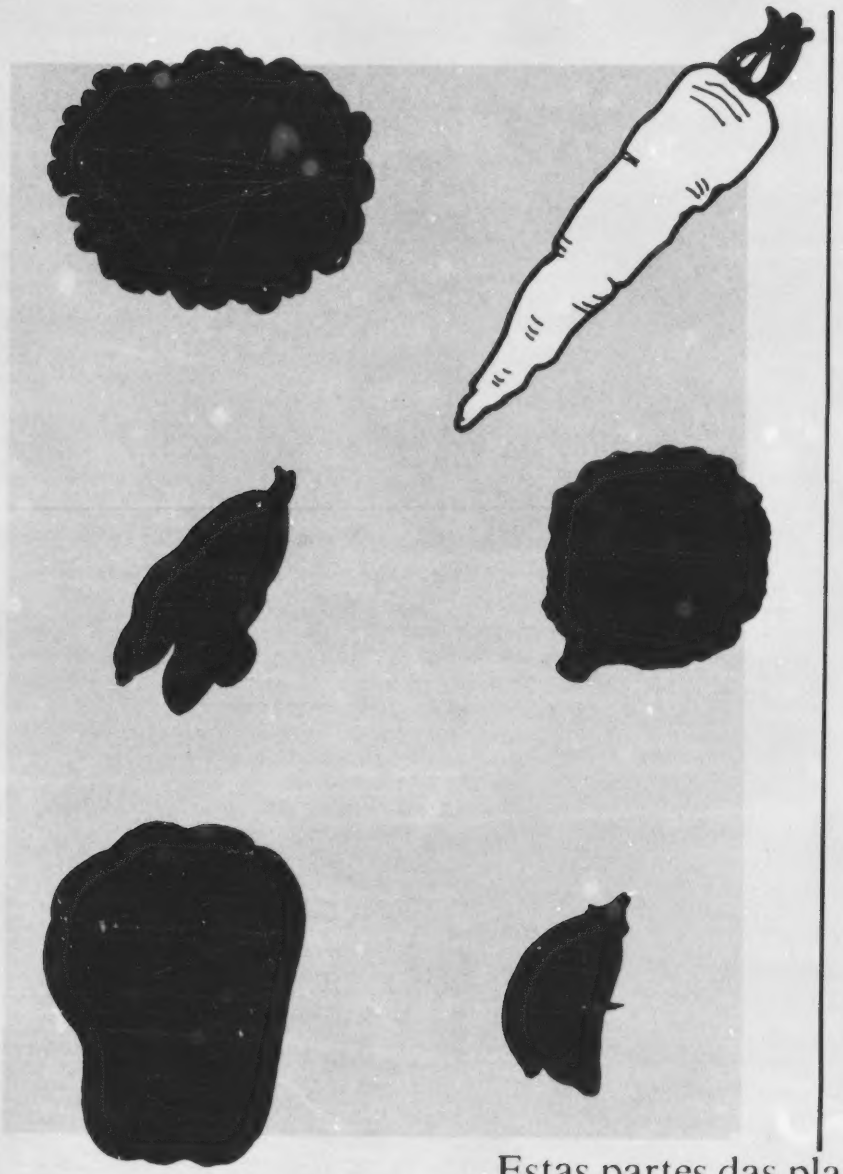


153

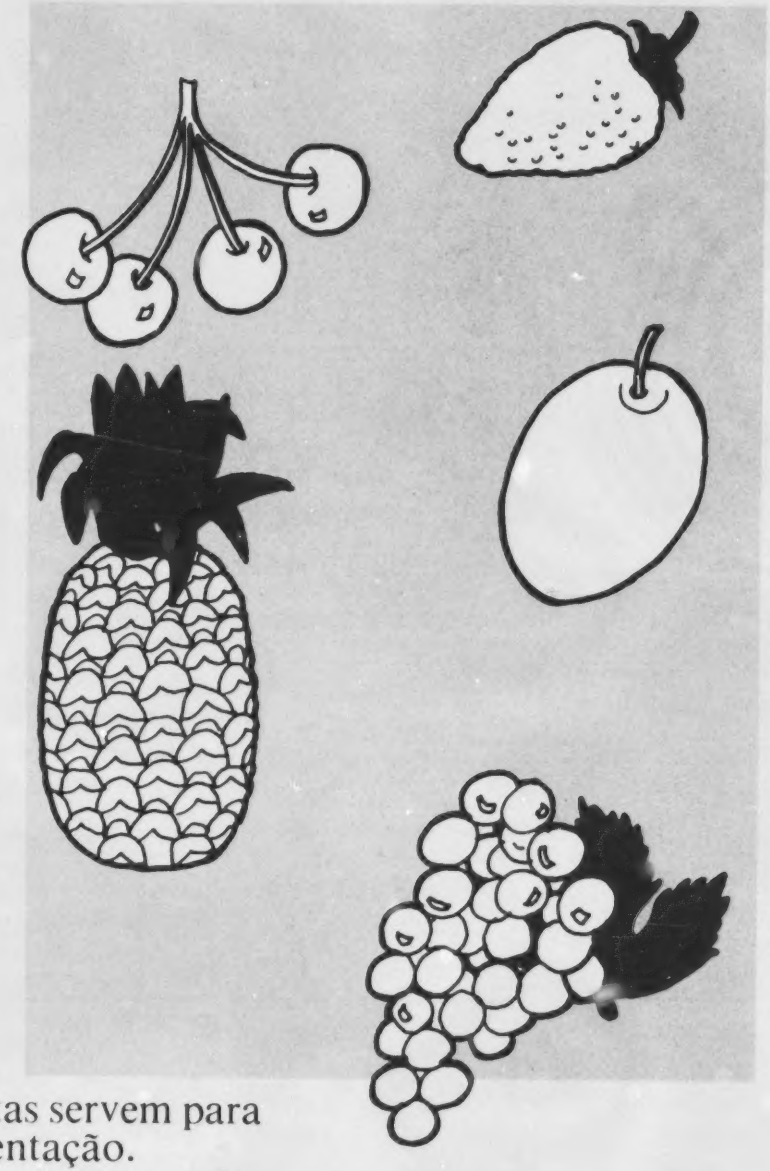
Colorir as folhas de verde, as flores de amarelo e os frutos de vermelho.

154

Frutos e Hortaliças



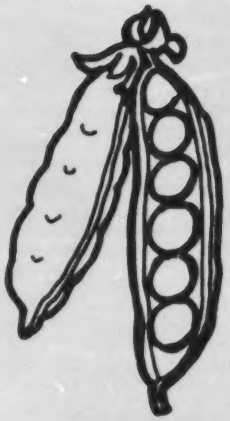
155

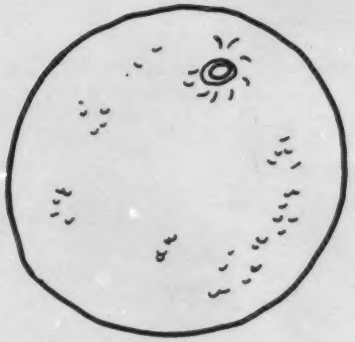


156

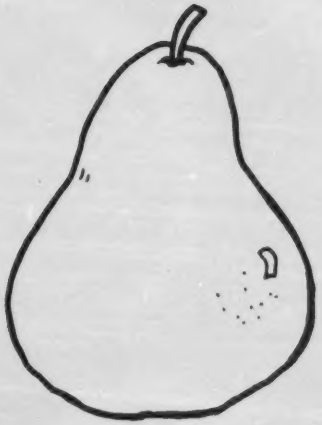
Estas partes das plantas servem para a nossa alimentação.

Nome_____





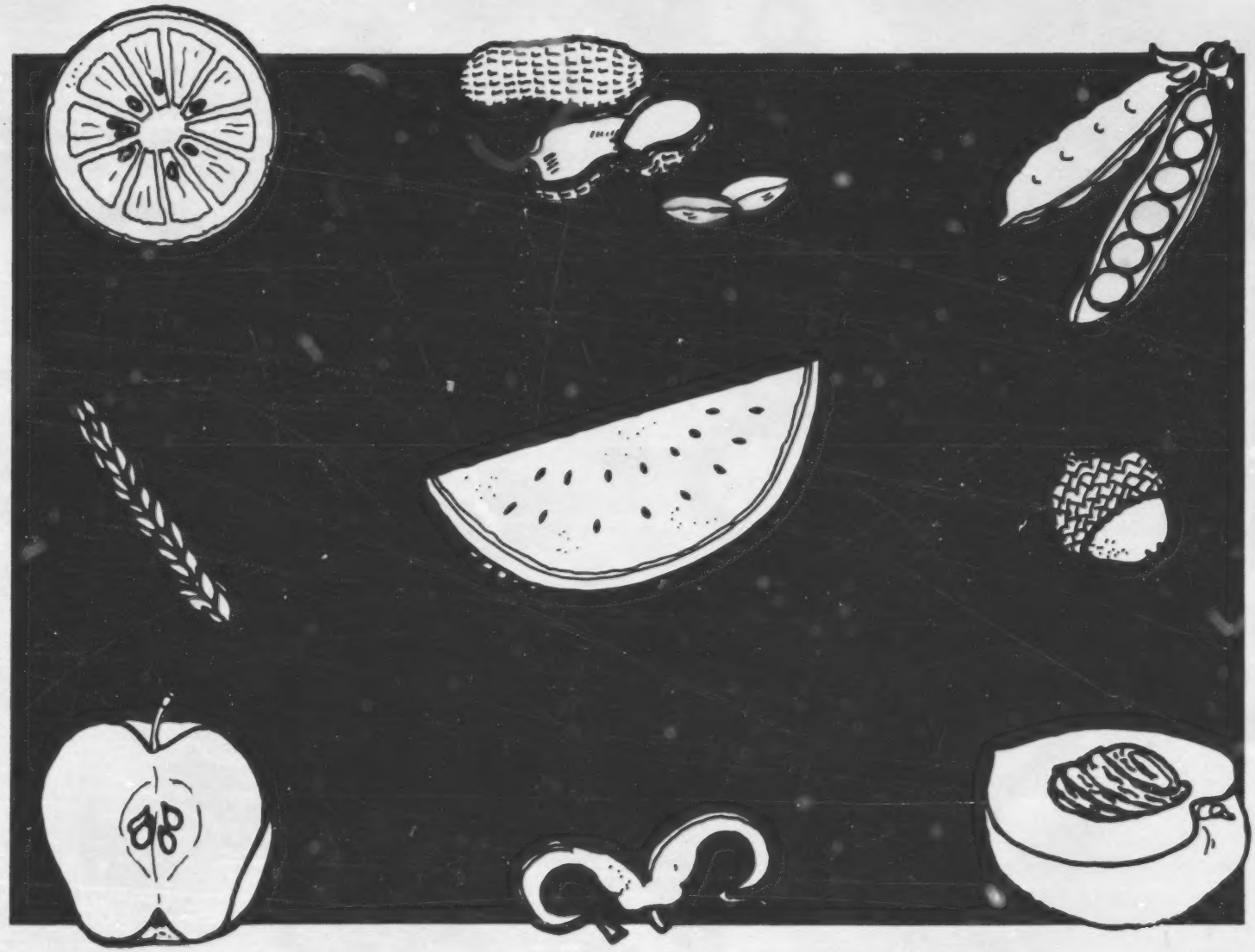
157



158

Fazer um X sobre os frutos.

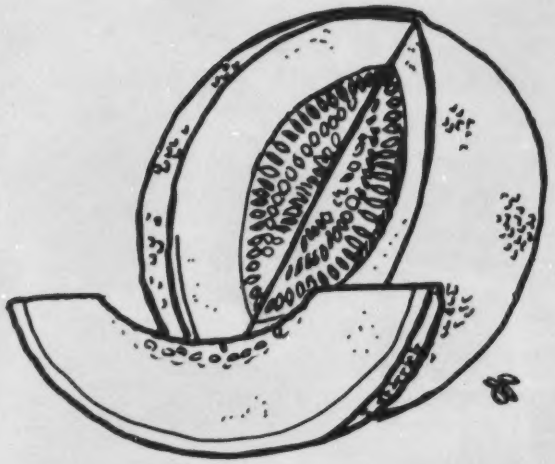
Sementes



159

160

Nome_____



161

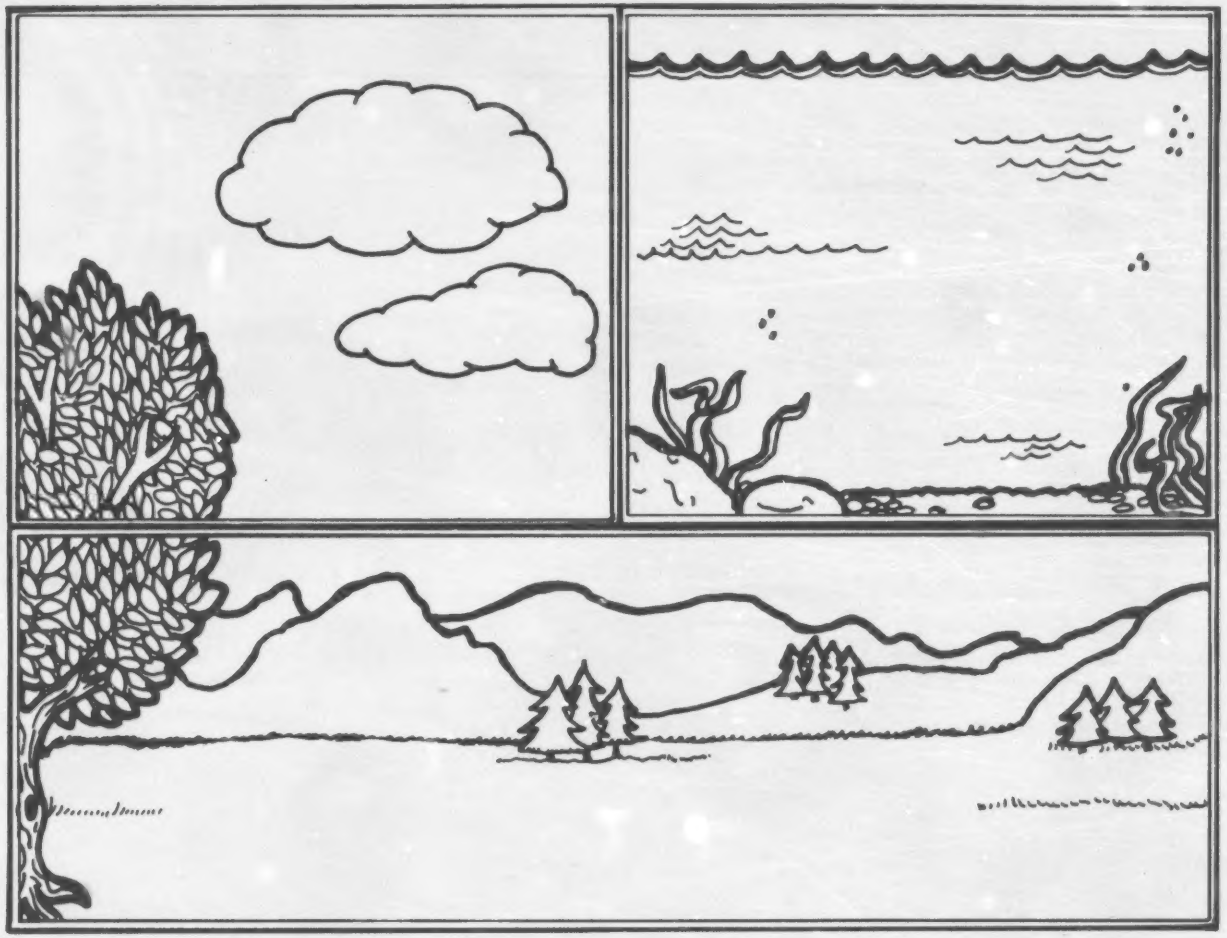
162

Colorir as sementes que se comem.

Animais e Seus Ambientes

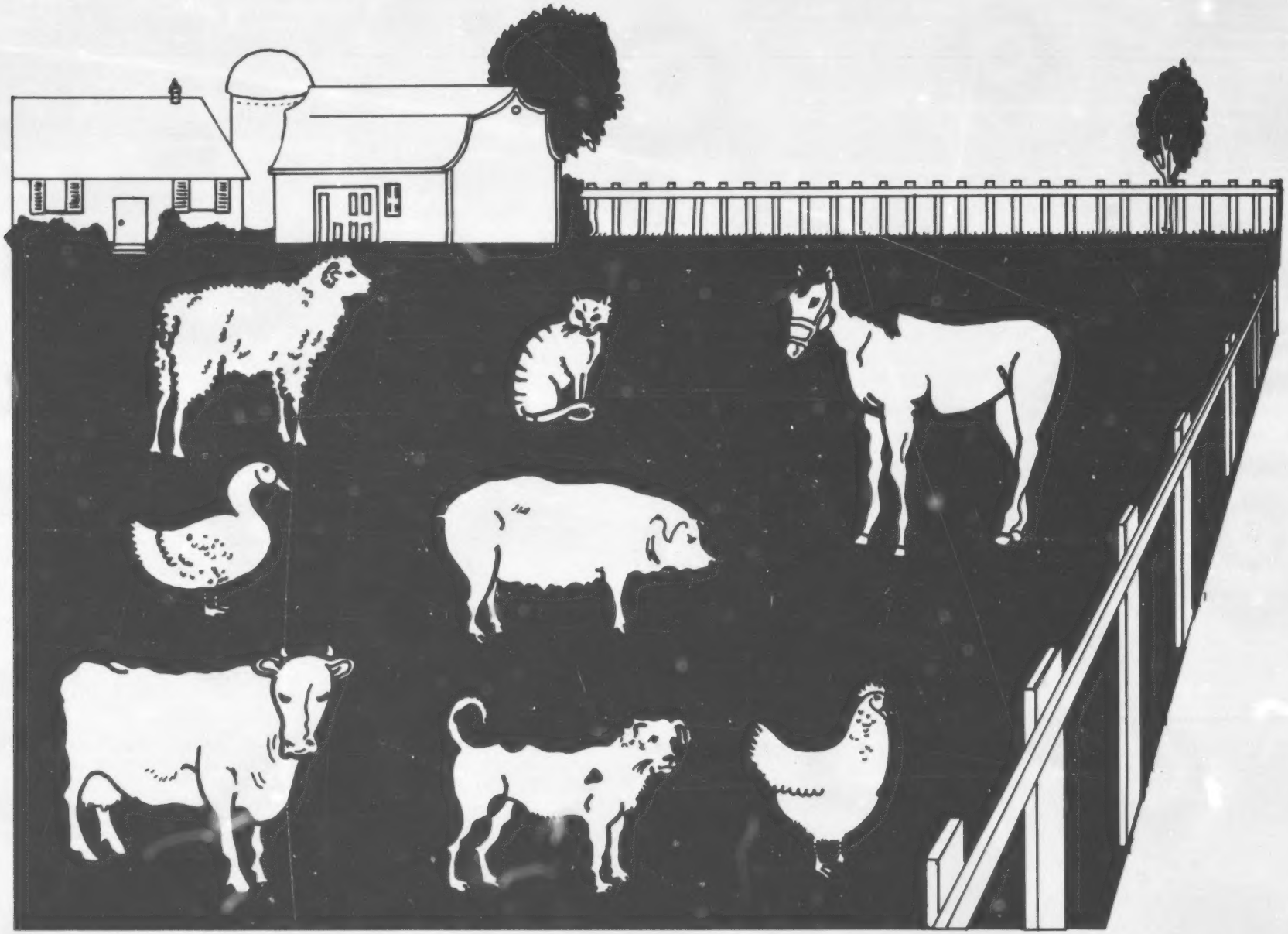
163 Os animais vivem na terra, no ar ou na água. 164

Nome _____



Recortar e colar os animais nos seus ambientes.

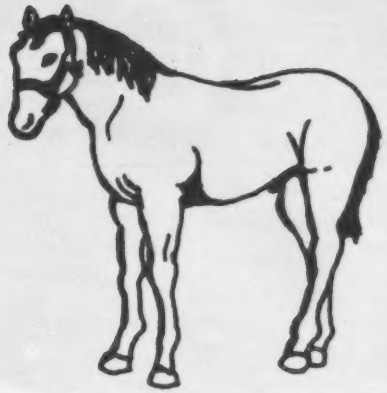
Animais Domésticos

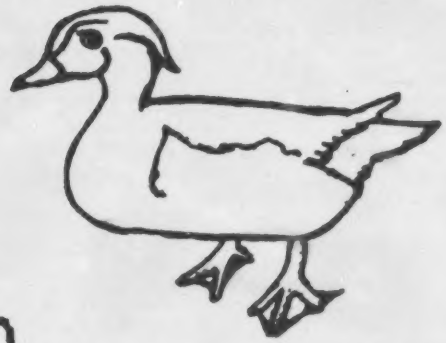


167

168

Nome_____





169

Colorir só os animais domésticos.

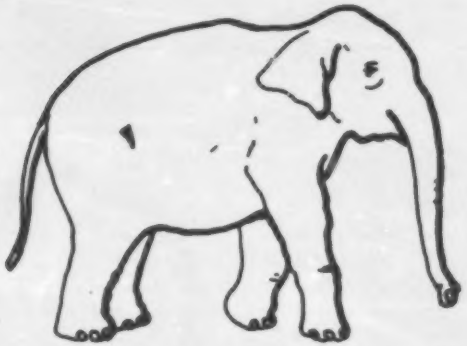
170

Animais Selvagens

171

172

Nome _____



84

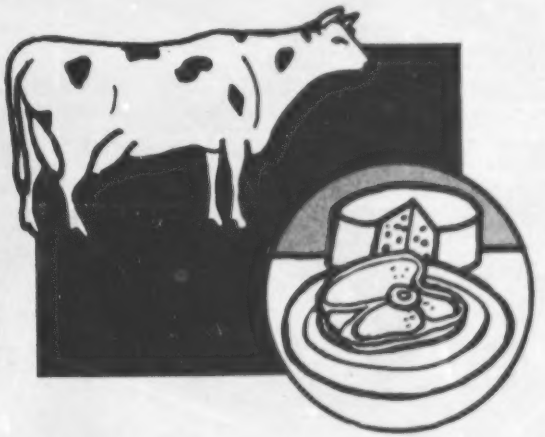
173

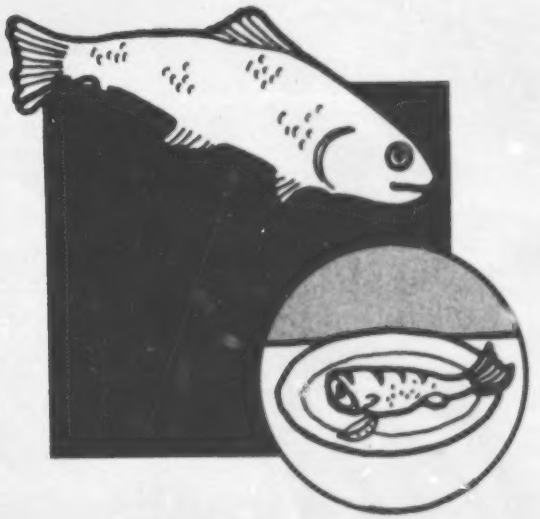
174

Colorir só os animais selvagens.

Animais Úteis

Alguns animais são úteis ao homem.



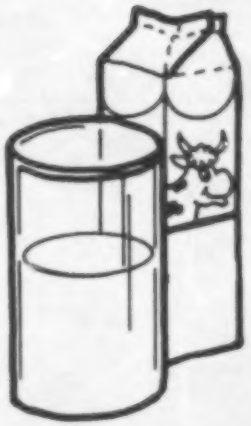


175

176

Nome _____

1

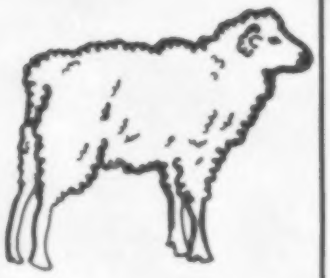


2

3

4

5



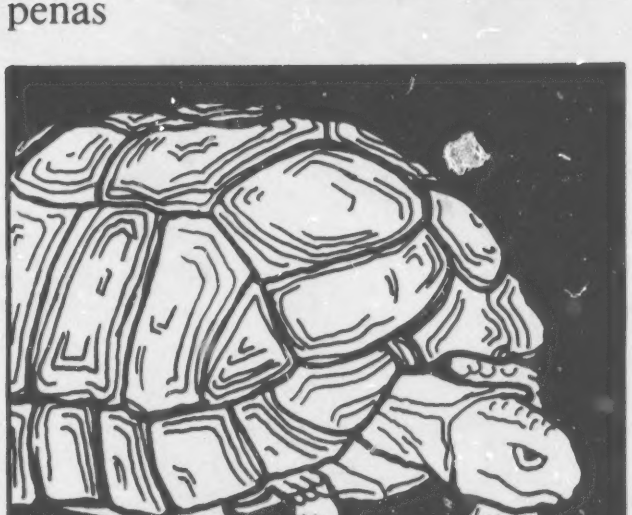
Numerar os animais de acordo com os números dos produtos que produzem.

O Corpo dos Animais Está Protegido por...

pêlos

penas

escamas

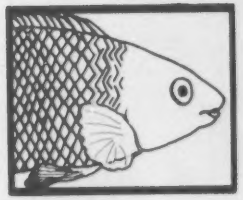


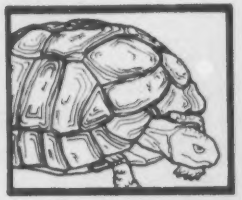
crostas

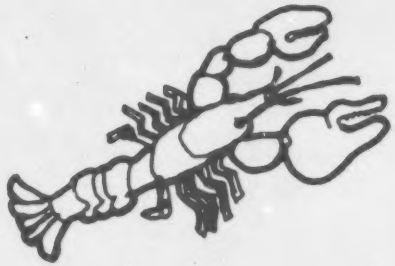
Nome _____

pêlos

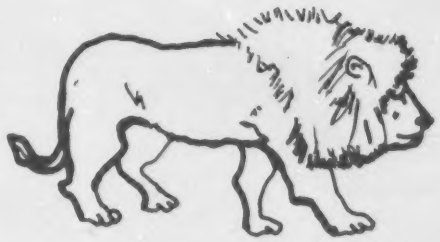
penas


escamas


crostas



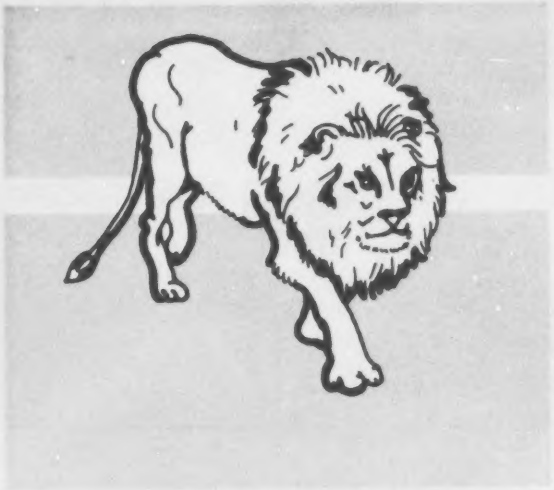
181



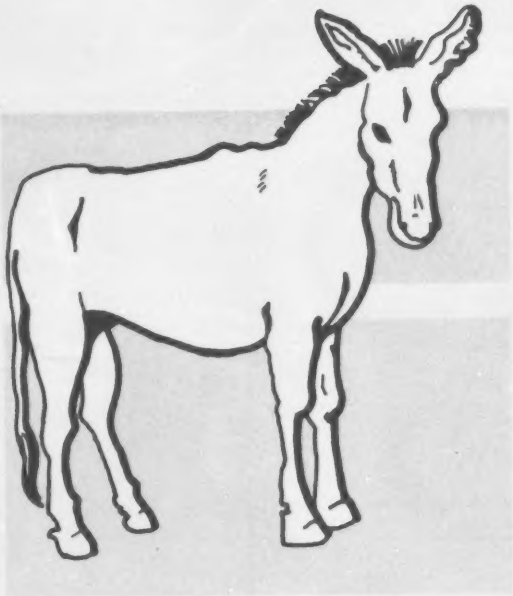
182

Ligar com um traço os animais ao seu tipo de cobertura.

Movimentos dos Animais

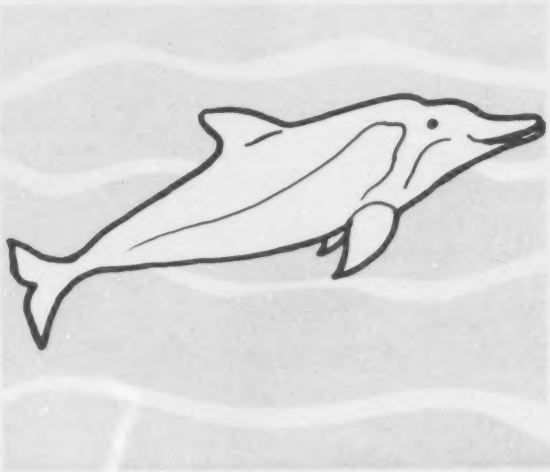


andar

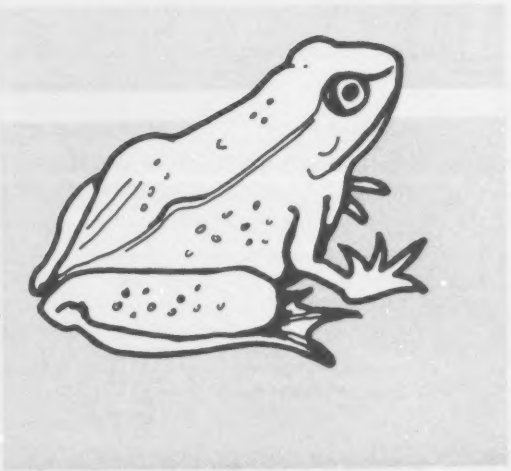


trotear

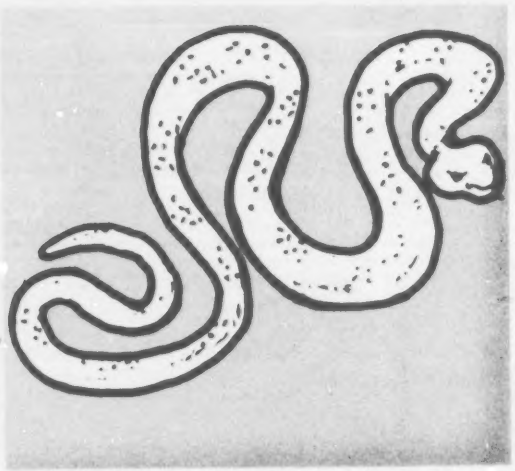
voar



nadar



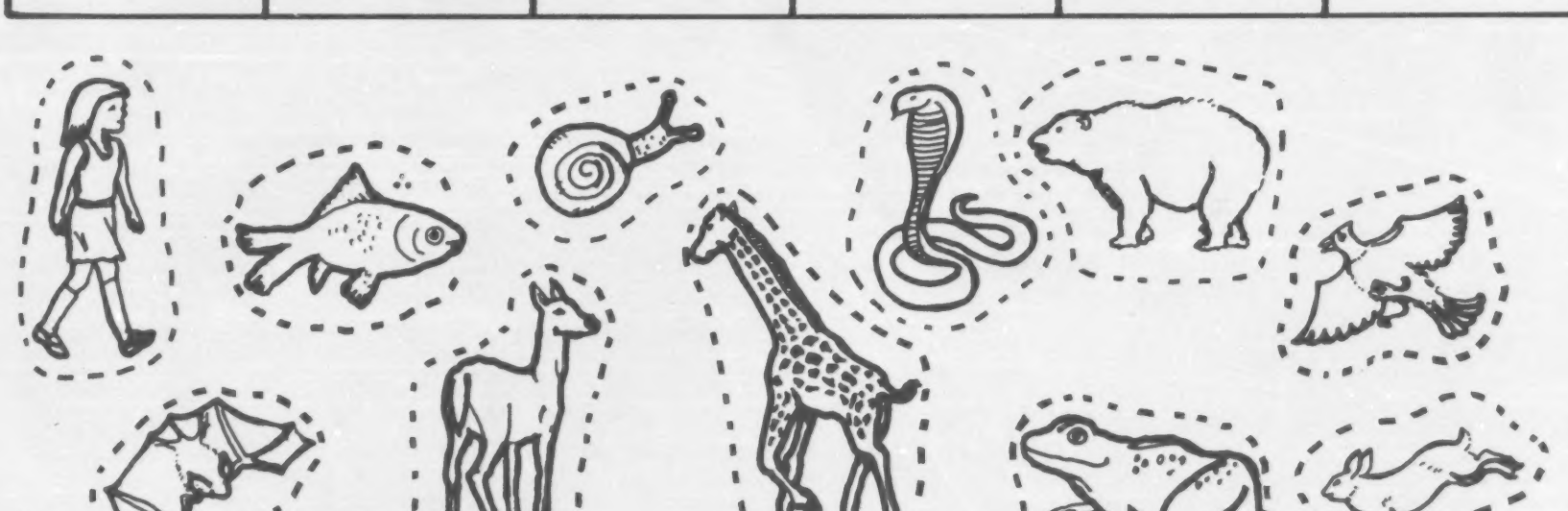
saltar



rastejar

Nome _____

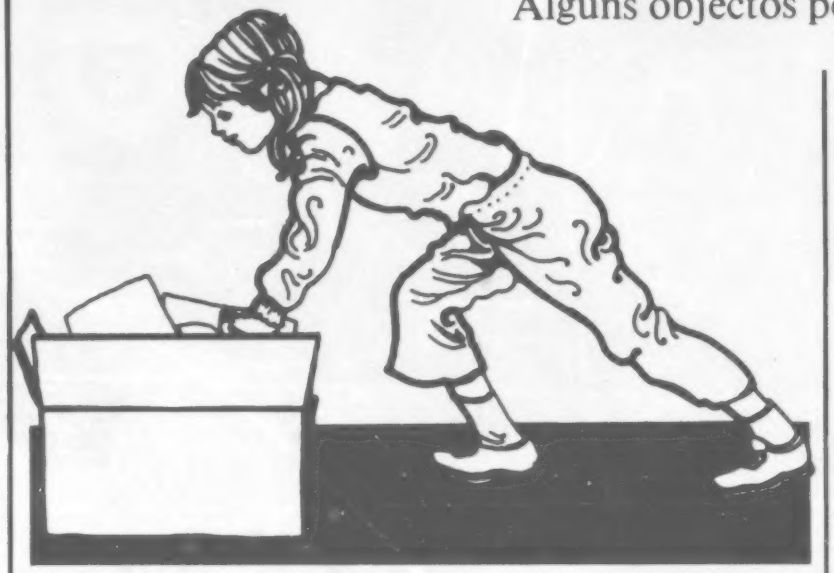
Andar	Trotear	Voar	Nadar	Rastejar	Saltar

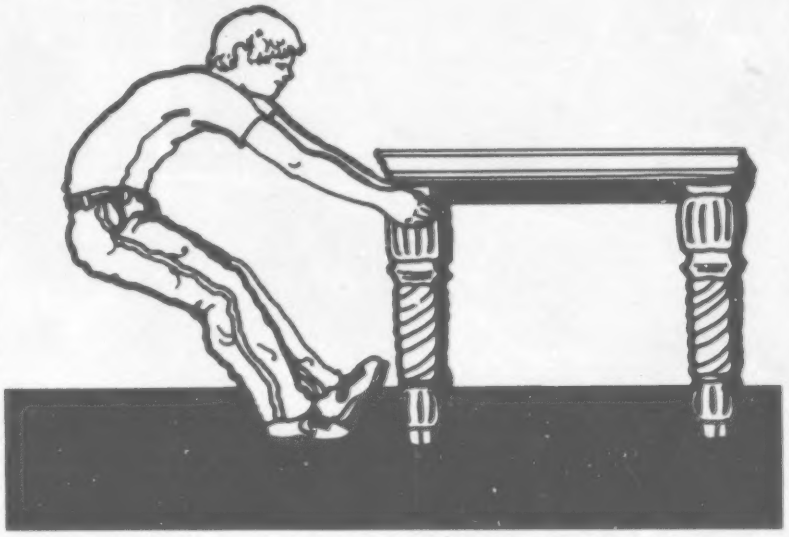


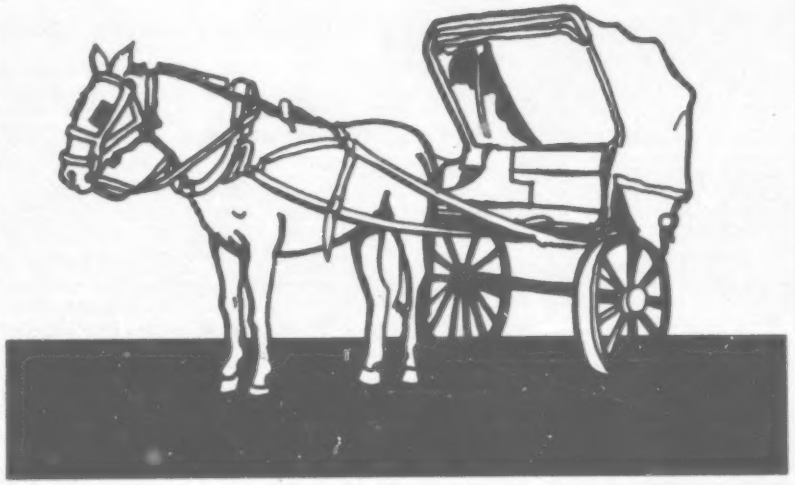
Recortar os animais e colá-los na coluna que indica o modo como se movimentam.

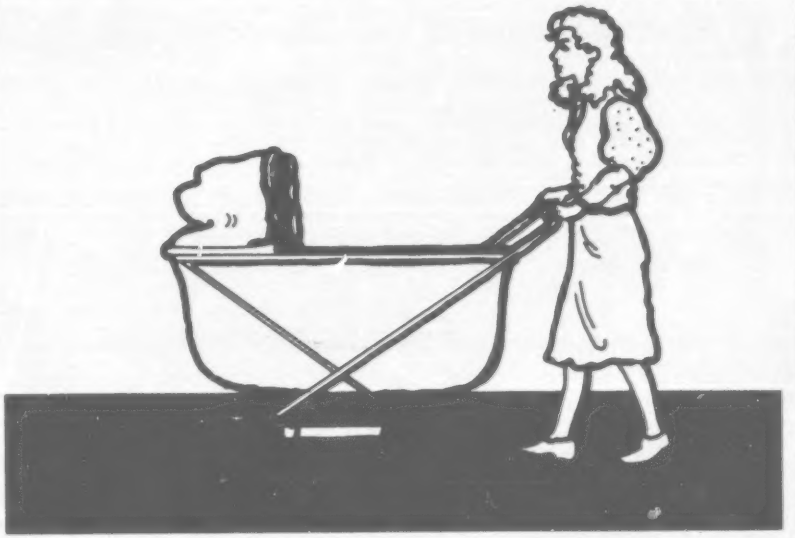
Movimento

Alguns objectos podem-se mover...









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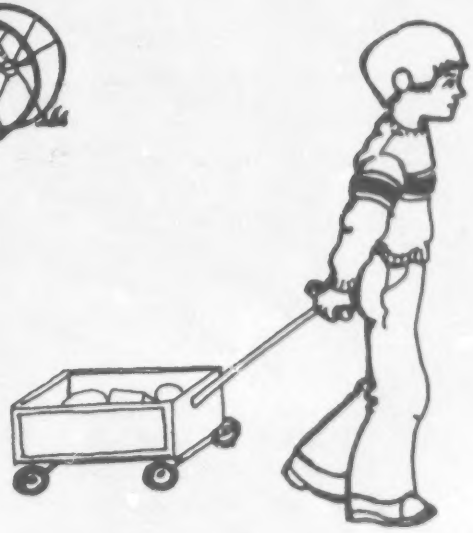
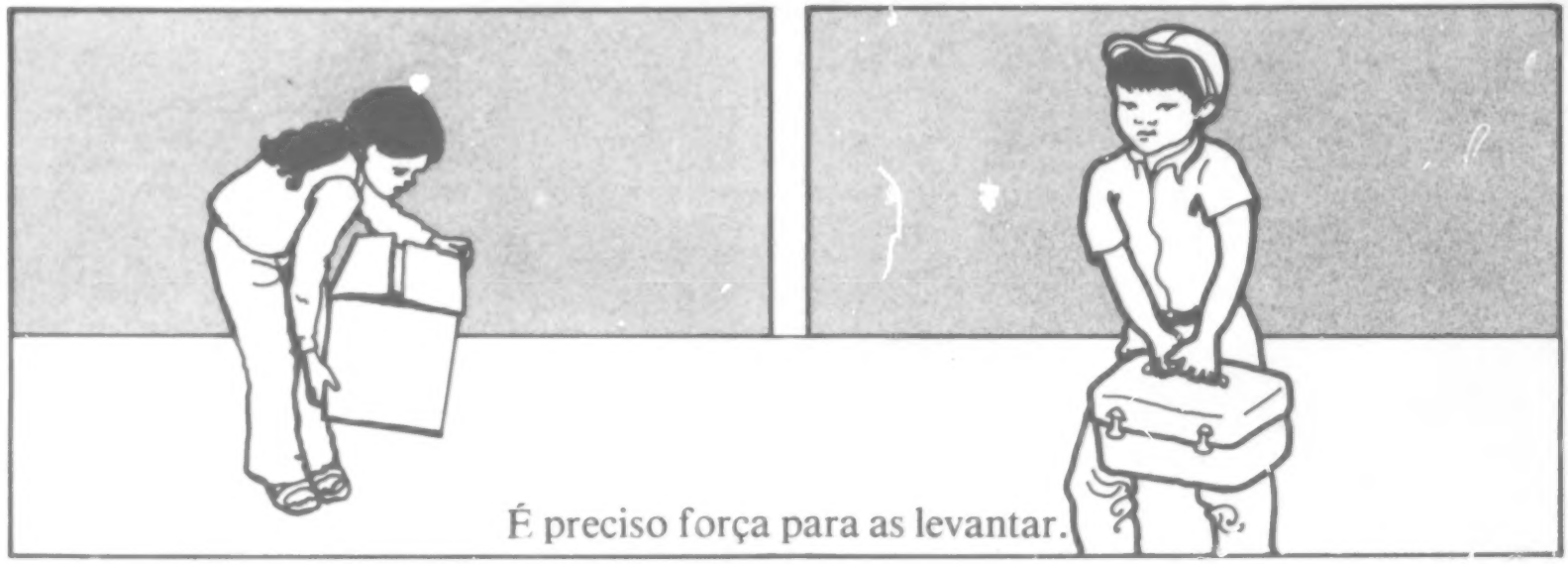
Nome _____



Circundar as acções que indicam empurrar. Colorir.

A Terra Atrai

As coisas caem.



É preciso força para as levantar.

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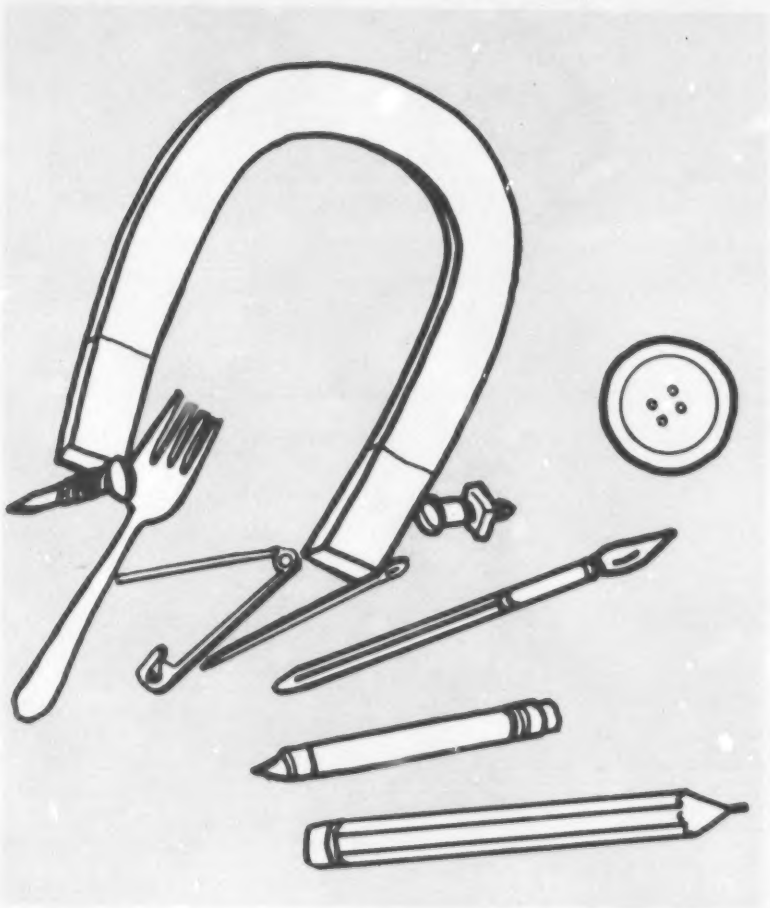
Os Ímans

Os ímans atraem alguns objectos.



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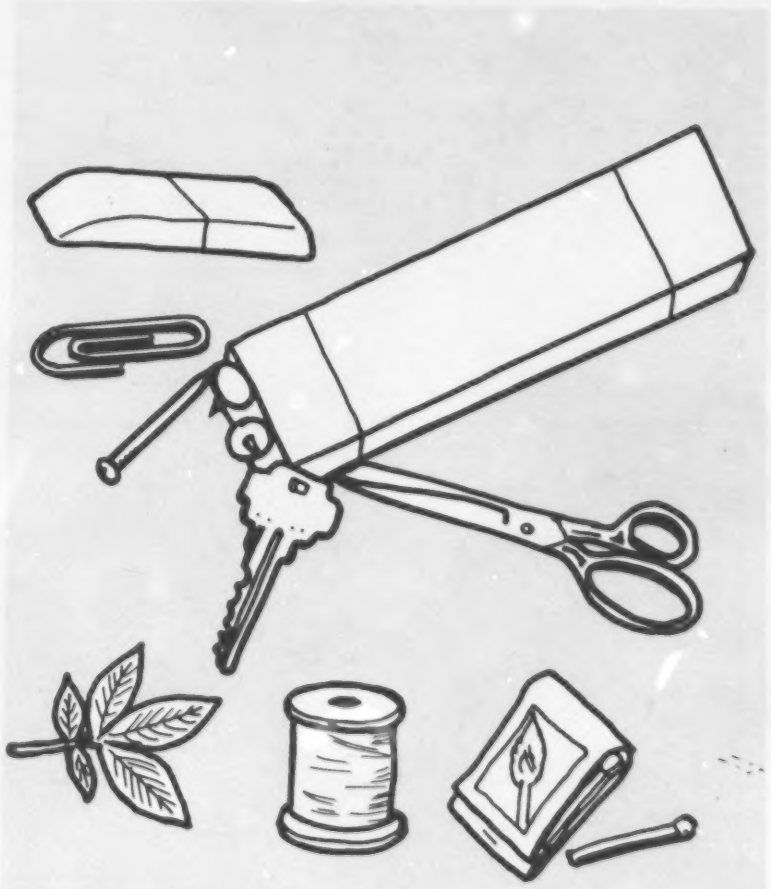

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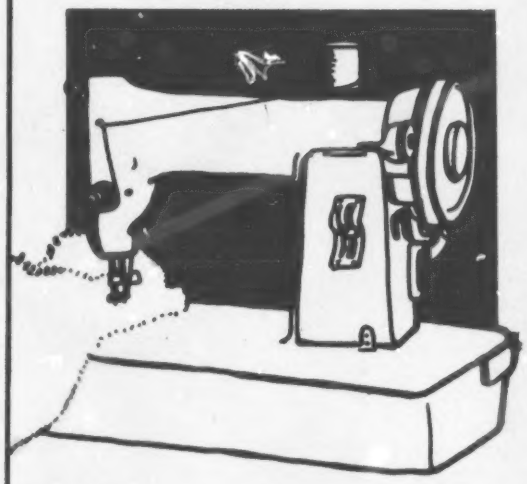
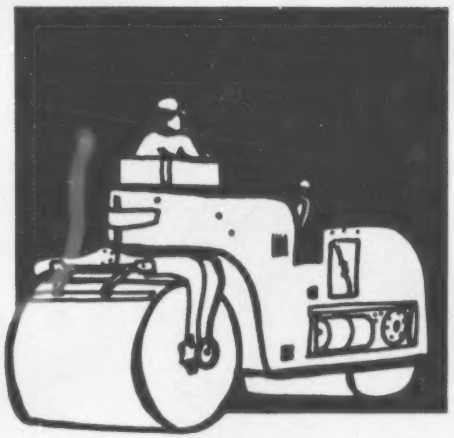
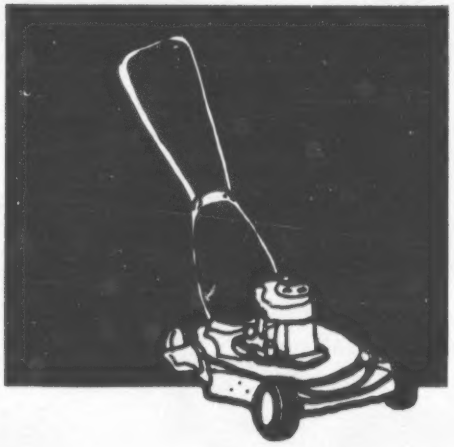
Máquinas



As máquinas ajudam-nos.





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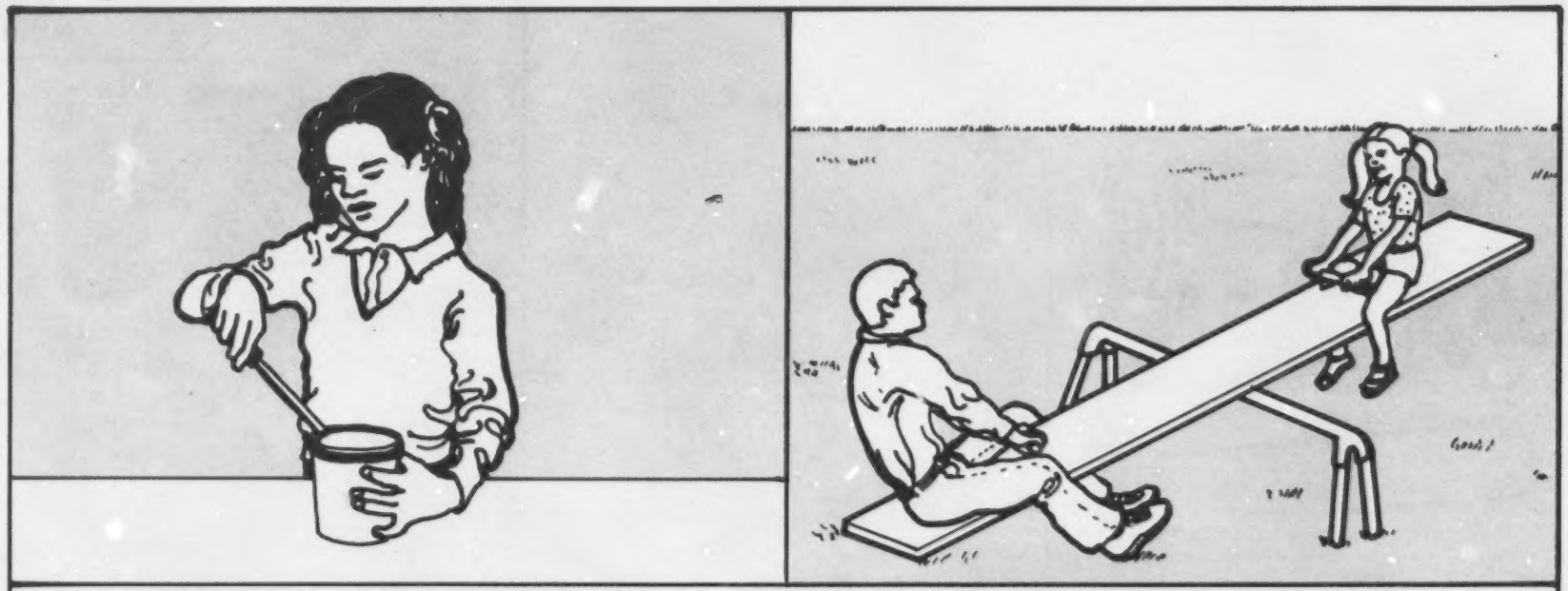
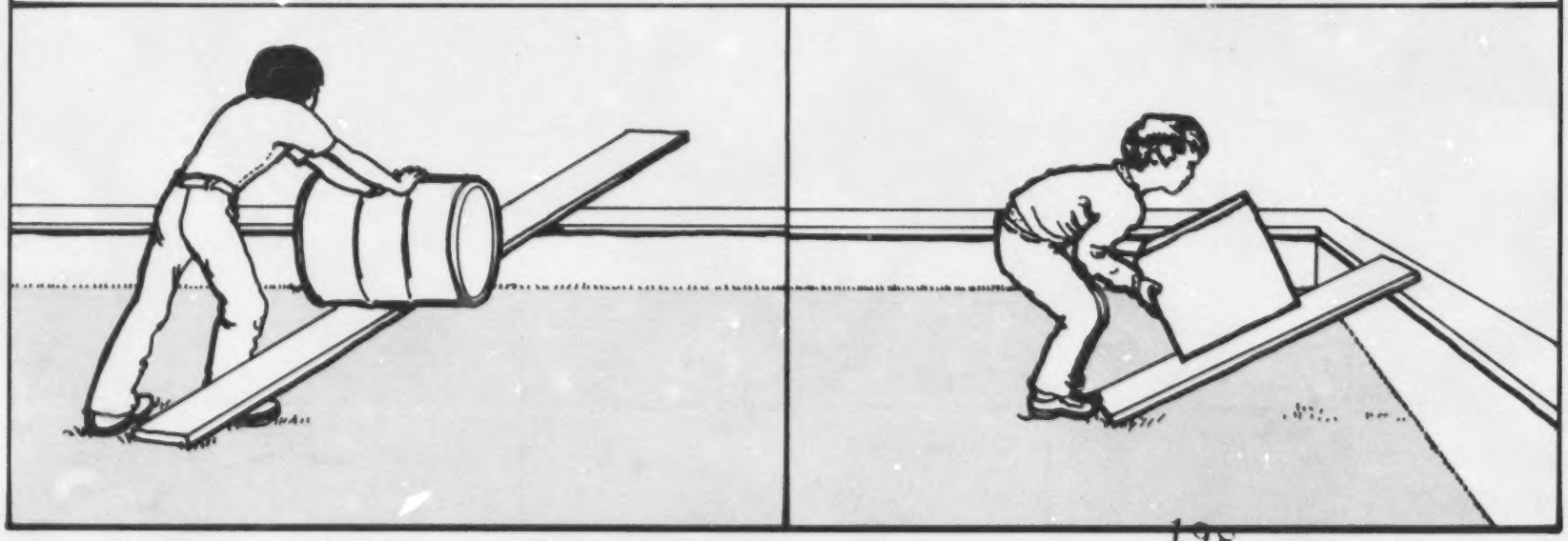
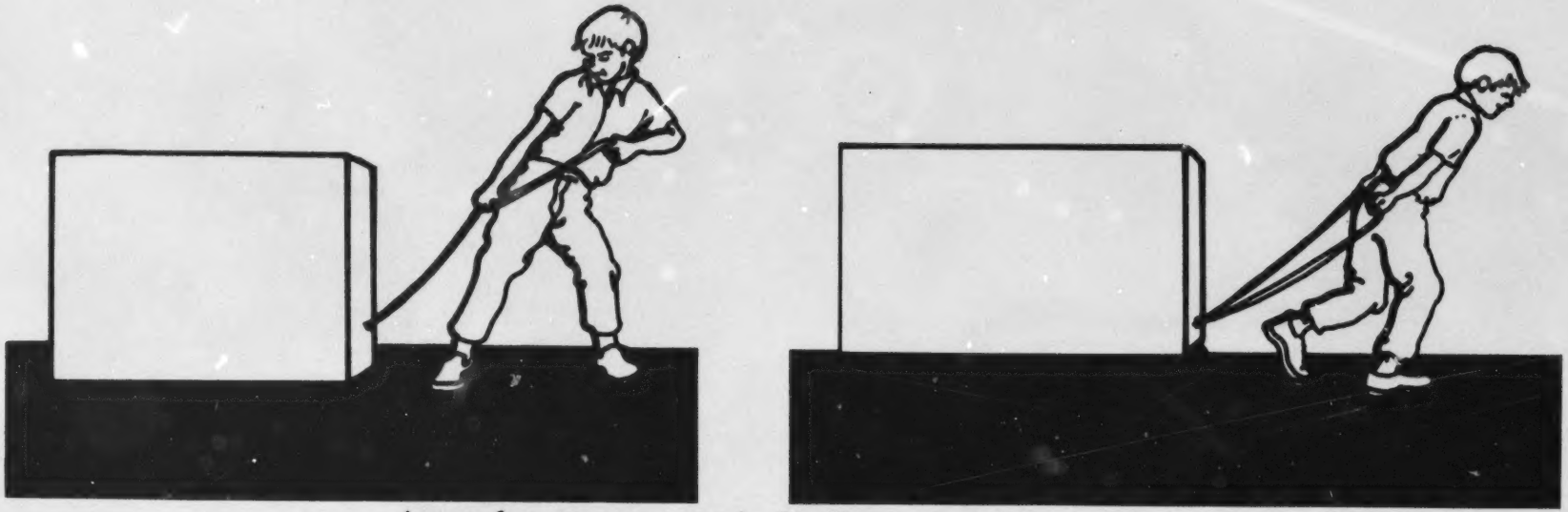
Máquinas Simples



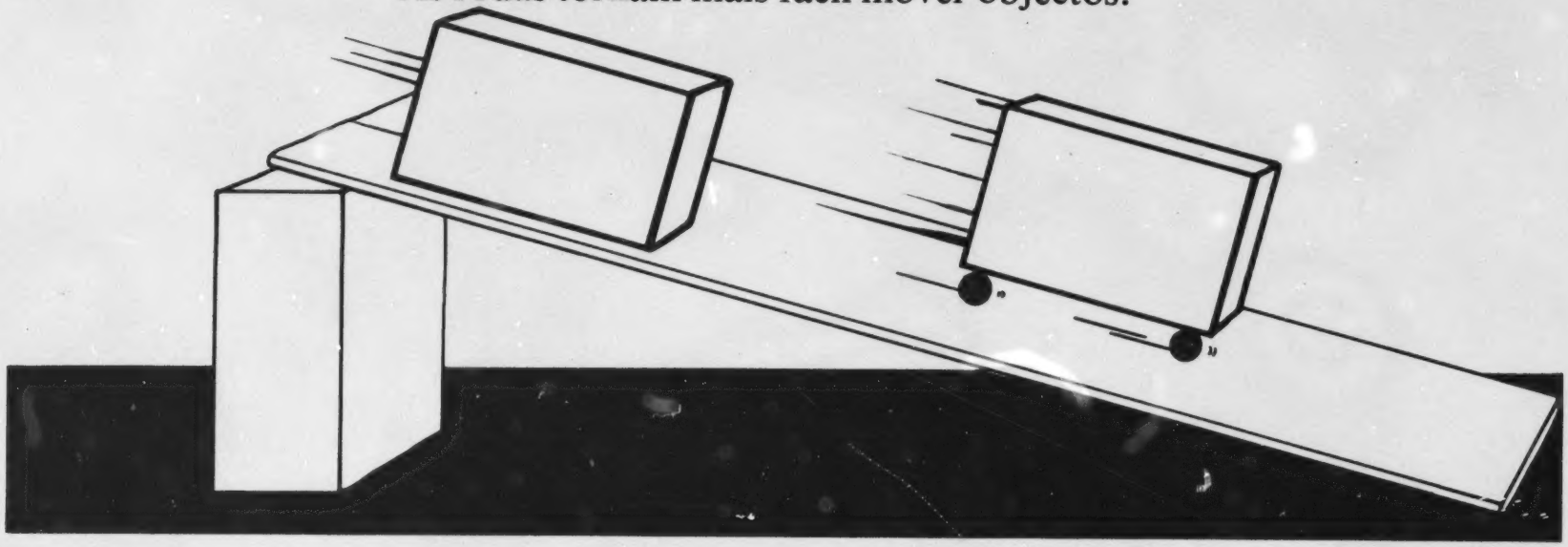
A alavanca e o plano inclinado são máquinas simples.



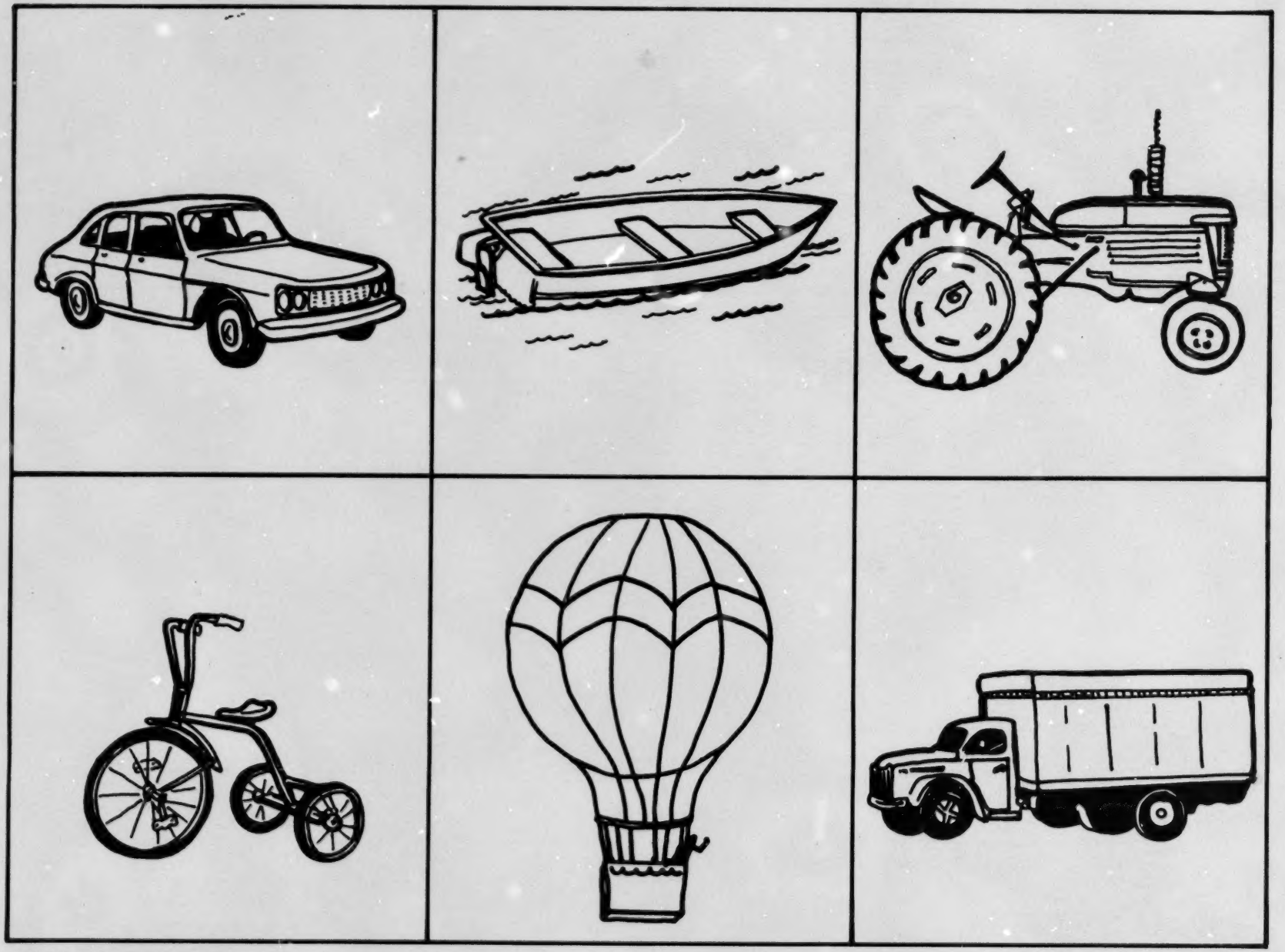
As Rodas



As rodas tornam mais fácil mover objectos.



Nome _____



Colorir as coisas que se movem com rodas.

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